Spectrem 4-TS

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SAFETY DATA SHEET

1. Identification

Material name: Spectrem® 4 Material: 976500 802

Recommended use and restriction on use

Recommended use: Sealant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Respiratory sensitizer	Category 1
Carcinogenicity	Category 1A
Toxic to reproduction	Category 1B

Unknown toxicity - Health

Acute toxicity, oral	1.54 %
Acute toxicity, dermal	2.68 %
Acute toxicity, inhalation, vapor	97.12 %
Acute toxicity, inhalation, dust or mist	96.79 %

Environmental Hazards

Acute hazards to the aquatic Category 1 environment

Unknown toxicity - Environment

Acute hazards to the aquatic environment	84.6 %
Chronic hazards to the aquatic environment	97.17 %

Label Elements



Hazard Symbol:

Signal Word:	Danger
Hazard Statement:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. [In case of inadequate ventilation] wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ IF exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
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Calcium carbonate	471-34-1	20 - <50%
Butyl benzyl phthalate	85-68-7	5 - <10%
Calcium oxide	1305-78-8	1 - <5%
Diisodecyl phthalate	26761-40-0	1 - <5%
Vinyltrimethoxysilane	2768-02-7	1 - <5%
Hexamethyldisilazane	999-97-3	1 - <5%
Stearic acid	57-11-4	0.1 - <1%
Tosyl isocyanate	4083-64-1	0.1 - <1%
Hydrotreated heavy	64742-52-5	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures			
Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.		
Inhalation:	Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. Move to fresh air. If breathing is difficult, give oxygen.		
Skin Contact:	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effect	s, acute and delayed		
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical attention and special treatment needed			
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters			



Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	S
Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. Evacuate area. See Section 8 of the SDS for Personal Protective Equipment. Keep upwind. Keep unauthorized personnel away.
Methods and material for containment and cleaning up:	Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Use mechanical ventilation in case of handling which causes formation of dust. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Calcium carbonate - Total	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
Calcium carbonate - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Calcium oxide	TWA	2 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Stearic acid - Respirable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (03 2017)
Stearic acid - Inhalable fraction.	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (03 2017)
Hydrotreated heavy naphthenic distillate - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Hydrotreated heavy	PEL	500 ppm 2,000 mg/m3	US. OSHA Table Z-1 Limits for Air



naphthenic distillate			Contaminants (29 CFR 1910.1000) (02 2006)
Hydrotreated heavy	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
naphthenic distillate - Mist.		_	Contaminants (29 CFR 1910.1000) (02 2006)

Chemical name	Туре	Exposure Limit Values	Source
Calcium carbonate - Total dust.	STEL	20 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium carbonate - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium carbonate - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium carbonate - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Calcium oxide	TWA	2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium oxide	TWA	2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Calcium oxide	TWA	2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Vinyltrimethoxysilane	STEL	10 ppm 60 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Hydrotreated heavy naphthenic distillate - Mist.	TWA	0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Hydrotreated heavy naphthenic distillate - Inhalable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Hydrotreated heavy naphthenic distillate - Mist.	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Calcium carbonate - Total dust.	STEL	20 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium carbonate - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium carbonate - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium carbonate - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Calcium oxide	TWA	2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium oxide	TWA	2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Calcium oxide	TWA	2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Vinyltrimethoxysilane	STEL	10 ppm 60 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Stearic acid	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Stearic acid	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Hydrotreated heavy naphthenic distillate - Mist.	TWA	0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Hydrotreated heavy naphthenic distillate - Inhalable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Hydrotreated heavy naphthenic distillate - Mist.	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Polyethylene - Respirable fraction.	TWA		3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Total dust.	TWA		10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Inhalable fraction.	TWA		10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Polyethylene - Respirable fraction.	TWA		3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Polyethylene - Total dust.	TWA		10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Dibutyltin diacetate - as Sn	STEL		0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA		0.1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dibutyltin diacetate - as Sn	TWA		0.1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dibutyltin diacetate - as Sn	TWA		0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL		0.2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Dibutyl phthalate	TWA		5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dibutyl phthalate	TWA		5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dibutyl phthalate	TWA		5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Methanol	STEL	250 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	200 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Methanol	STEL	250 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	TWA	200 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Methanol	STEL	250 ppm	328 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	TWA	200 ppm	262 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Cyclohexane	TWA	100 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Cyclohexane	TWA	100 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Cyclohexane	TWA	300 ppm 1,030 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Toluene	TWA	20 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Toluene	TWA	20 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Toluene	TWA	50 ppm 188 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction.	TWA	0.025 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction.	TWA	0.10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust.	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Dibutyl tin dilaurate - as Sn	STEL	0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	0.1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dibutyl tin dilaurate - as Sn	TWA	0.1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dibutyl tin dilaurate - as Sn	STEL	0.2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Acetic acid	STEL	15 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	10 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Acetic acid	STEL	15 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	TWA	10 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Acetic acid	TWA	10 ppm 25 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	15 ppm 37 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Appropriate Engineering Controls	Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.
Individual protection measures,	such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance	
Physical state:	solid
Form:	Paste
Color:	Off-white
Odor:	Mild sharp
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.



Explosive limit - lower (%):	No data available.		
Vapor pressure:	No data available.		
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.		
Relative density:	1.41		
Solubility(ies)			
Solubility in water:	Practically Insoluble		
Solubility (other):	No data available.		
Partition coefficient (n-octanol/water):	No data available.		
Auto-ignition temperature:	No data available.		
Decomposition temperature:	No data available.		
Viscosity:	No data available.		

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Alcohols. Strong acids. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong bases. Water, moisture.
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin. Causes mild skin irritation.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.



Information on toxicological effects

00000006317

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 20,503.25 mg/kg
Dermal Product:	ATEmix: 54,400.8 mg/kg
Inhalation Product:	Not classified for acute toxicity based on available data.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritation Product:	on No data available.
Respiratory or Skin Sensitizatior Product:	n May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitization by inhalation.
Carcinogenicity Product:	No data available.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Hydrotreated heavy naphthenic distillate	Overall evaluation: Not classifiable as to carcinogenicity to humans. Overall evaluation: Carcinogenic to humans.
US. National Toxicology Progran Hydrotreated heavy naphthenic distillate	n (NTP) Report on Carcinogens: Known To Be Human Carcinogen.
US. OSHA Specifically Regulated No carcinogenic components	d Substances (29 CFR 1910.1001-1050): s identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity	11/17



Product:	May damage fertility or the unborn child.
Specific Target Organ To Product:	xicity - Single Exposure No data available.
Specific Target Organ To Product:	xicity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative potential Bioconcentration Factor (BCF) Product: No data available.		
Partition Coefficient n-octanol / water (log Kow)		



Product:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Butyl Benzyl Phthalate), 9, PG III, MARINE POLLUTANT

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Chemical Identity	
Crystalline Silica	
(Quartz)/ Silica Sand	

OSHA hazard(s)

kidney effects lung effects immune system effects Cancer



CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	l
Butyl benzyl phthalate	
Dibutyl phthalate	
Methanol	ę
Cyclohexane	
Toluene	
Acetic acid	Į

Reportable quantity 100 lbs. 10 lbs. 5000 lbs. 1000 lbs.

1000 lbs. 1000 lbs. 5000 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard Respiratory or Skin Sensitization Carcinogenicity Reproductive toxicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Butyl benzyl phthalate	100 lbs.
Diisodecyl phthalate	
Dibutyl phthalate	10 lbs.
Methanol	5000 lbs.
Cyclohexane	1000 lbs.
Toluene	1000 lbs.
Acetic acid	5000 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Calcium carbonate	10000 lbs
Butyl benzyl phthalate	10000 lbs
Calcium oxide	10000 lbs
Diisodecyl phthalate	10000 lbs
Vinyltrimethoxysilane	10000 lbs
Hexamethyldisilazane	10000 lbs
Stearic acid	10000 lbs
Tosyl isocyanate	10000 lbs
Hydrotreated heavy	10000 lbs
naphthenic distillate	

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65





WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Calcium carbonate Butyl benzyl phthalate Calcium oxide Hexamethyldisilazane Hydrotreated heavy naphthenic distillate

US. Massachusetts RTK - Substance List

Chemical Identity

Calcium carbonate Butyl benzyl phthalate Crystalline Silica (Quartz)/ Silica Sand

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Calcium carbonate Butyl benzyl phthalate Calcium oxide Diisodecyl phthalate

US. Rhode Island RTK

Chemical Identity

Calcium carbonate

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	13 g/l
VOC Method 310	:	0.93 %



Inventory Status:	
Australia AICS:	

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	11/30/2018
Version #:	2.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P - ADOBE ACCENT Material: 015115 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	33.73 %
Acute toxicity, dermal	97.64 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	97.16 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	66.53 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Iron oxide	1309-37-1	5 - 10%
Aluminum oxide	1344-28-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Carbon Black	1333-86-4	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.
Inhalation:	Move to fresh air.
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Eye contact:	Rinse immediately with plenty of water.
Most important symptoms/effects	, acute and delayed
Symptoms:	May cause skin and eye irritation.



Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.
5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) ex	xtinguishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	S
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.



Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste



Color:	Tan
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.93
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)	
Oral Product:	No data available.
Dermal Product:	No data available.
Inhalation Product:	ATEmix: 2.28 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: No data available.



Specified substance(s):	in vivo (Rabbit 24 brs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitizatior Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulated No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.

- Reproductive toxicity
Product:No data available.
- Specific Target Organ Toxicity Single Exposure Product: No data available.
- Specific Target Organ Toxicity Repeated Exposure Product: No data available.
- Aspiration Hazard Product: No data available.



Other effects:

12. Ecological information **Ecotoxicity:** Acute hazards to the aquatic environment: Fish **Product:** No data available. **Aquatic Invertebrates Product:** No data available. Chronic hazards to the aquatic environment: Fish **Product:** No data available. Specified substance(s): LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting Titanium dioxide substance (structural analogue or surrogate), Supporting study Iron oxide NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study Aluminum oxide EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study Carbon Black NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study Aquatic Invertebrates **Product:** No data available. **Toxicity to Aquatic Plants** Product: No data available. Persistence and Degradability **Biodegradation** Product: No data available. **BOD/COD** Ratio **Product:** No data available.

No data available.

Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.



Partition Coefficient n-octand Product:	bl / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity **Reportable quantity**

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Iron oxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Carbon Black	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting) **Chemical Identity**

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide **Diisodecyl phthalate** Iron oxide Aluminum oxide



US. Rhode Island RTK Chemical Identity Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water and exempt solvent): VOC Method 310:	0 g/l 0.00 %	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	09/19/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P ALMOND Material: 015195 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	29.95 %
Acute toxicity, dermal	97.45 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	96.18 %
vironmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	70.27 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Env

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

CAS number	Content in percent (%)*
13463-67-7	40 - 70%
1344-28-1	3 - 7%
7631-86-9	0.5 - 1.5%
1314-23-4	0.5 - 1.5%
1309-37-1	0.1 - 1%
	CAS number 13463-67-7 1344-28-1 7631-86-9 1314-23-4 1309-37-1

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.
Inhalation:	Move to fresh air.
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Eye contact:	Rinse immediately with plenty of water.
Most important symptoms/effects, acute and delayed	
Symptoms:	May cause skin and eye irritation.


Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.
5. Fire-fighting measures	

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and	I precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.



8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General ir	nformation:	Use personal protective equipment as required.
Eye/face p	protection:	Wear goggles/face shield.
Skin Prote Hai	ection nd Protection:	Use suitable protective gloves if risk of skin contact.
Oth	ner:	No data available.
Respirato	ry Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene n	neasures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.



9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Off-white
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	> 199 °C > 390 °F
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.95
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.



11. Toxicological information			
Information on likely routes of explicitly independent of the second sec	posure May be ingested by accident. Ingestion may cause irritation and malaise.		
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.		
Skin Contact:	Moderately irritating to skin with prolonged exposure.		
Eye contact:	Eye contact is possible and should be avoided.		
Information on toxicological effe	ects		
Acute toxicity (list all possible	e routes of exposure)		
Oral Product:	No data available.		
Dermal Product:	No data available.		
Inhalation Product:	ATEmix: 2.28 mg/l		
Repeated dose toxicity Product:	No data available.		
Skin Corrosion/Irritation Product:	No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study		
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study		
Amorphous silica	in vivo (Rabbit): Experimental result, Key study		
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study		

Serious Eye Damage/Eye Irritation Product: No

No data available.



Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	n No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Single Exposure Product: No data available.		
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard Product:	No data available.	
Other effects:	No data available.	



12. Ecological information

Ecotoxicity:			
Acute hazards to the aquatic environment:			
Fish Product:	No data available.		
Aquatic Invertebrates Product:	No data available.		
Chronic hazards to the aquation	environment:		
Fish Product:	No data available.		
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study		
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study		
Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study		
Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.		
Partition Coefficient n-octane Product:	ol / water (log Kow) No data available.		



Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity

Reportable quantity

Diisodecyl phthalate Diisodecvl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity Chemical Identity

Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Iron oxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide

Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide **Diisodecyl phthalate** Aluminum oxide

US. Rhode Island RTK

Chemical Identity Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water 0 g/l and exempt solvent):



VOC Method 310:	0.00 %
Inventory Status: Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/15/2016
Version #:	2.0
Further Information:	No data available.



Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



Version: 1.0 Revision Date: 08/13/2015

SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P ALUMINUM Material: 015196 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.18 %
Acute toxicity, dermal	65.53 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.36 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	8.39 %
environment	
Chronic hazards to the aquatic	100 %

environment

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Carbon Black	1333-86-4	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures

General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	tinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	;	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	<i>v</i> e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.88
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible	routes of exposure)
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Oral Product:	No data available.
Dermal Product:	ATEmix: 3,400.58 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritation

Product:	No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:

No data available.

In vivo Product:

No data available.

- Reproductive toxicity Product: No data available.
- Specific Target Organ Toxicity Single Exposure Product: No data available.
- Specific Target Organ Toxicity Repeated Exposure Product: No data available.

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.
12. Ecological information	
Ecotoxicity:	
Acute hazards to the aquatic e	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available. Partition Coefficient n-octanol / water (log Kow) Product: No data available. Mobility in Soil: No data available. **Other Adverse Effects:** Very toxic to aquatic organisms. 13. Disposal considerations **Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. **Contaminated Packaging:** No data available. 14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Carbon Black	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Iron oxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black



US. Pennsylvania RTK - Hazardous	Substance	S
Chemical Identity		
Titanium dioxide		
Aluminum oxide		
Carbon Black		
US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent):		
VOC Method 310:	0.00 %	
Inventory Status:		-
Australia AICS:		One or more components in this product are
		not listed on of exempt from the inventory.
Canada DSL Inventory List:		All components in this product are listed on or
Canada DSE inventory List.		exempt from the Inventory.
		,
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are
,		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
		-
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
		not listed on of exempt from the inventory.
Conado NDSL Inventory		One or more components in this product are
Canada NDSL Inventory.		not listed on or exempt from the Inventory
		not noted on or exempt norm the inventory.
Philippines PICCS:		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
,		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.



Japan Pharmacopoeia Listing:

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: 240 COLOR PAK - ALUMINUM STONE 6 POUCHES Material: 015151 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neann	nazarus

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.24 %
Acute toxicity, dermal	63.58 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.4 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	10.12 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	1 - 5%
Carbon Black	1333-86-4	1 - 5%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible containment and cleaning material. Collect spillage in containers, seal securely and deliver for up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.85
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.		
Viscosity:	No data available.		
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information]		

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,374.21 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritatio Product:	n No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
 US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified 		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard		



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquatic environment:		
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	



Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Carbon Black	500 lbs
Iron oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black


US. Pennsylvania RTK - Hazardous Substances				
Chemical Identity				
Titanium dioxide				
Diisodecyl phthalate				
Aluminum oxide				
Carbon Black				
US. Rhode Island RTK				
Chemical Identity				
Disodecyl phthalate				
Aluminum oxide				
Other Regulations:				
Regulatory VOC (less water	0 g/l			
and exempt solvent):	0.00.9/			
VOC Method 310:	0.00 %			
Inventory Status:		One or more companyed in this product are		
Australia AICS:		one of more components in this product are		
		not instea on or exempt from the inventory.		
Canada DSL Inventory List		All components in this product are listed on or		
Canada DSL Inventory List.		exempt from the Inventory.		
FINECS, FLINCS or NLP		One or more components in this product are		
		not listed on or exempt from the Inventory.		
Japan (ENCS) List		One or more components in this product are		
Japan (ENCS) List.		not listed on or exempt from the Inventory.		
China Inv. Existing Chemical Substances:		One or more components in this product are		
	-	not listed on or exempt from the Inventory.		
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are		
G (, , ,		not listed on or exempt from the Inventory.		
Canada NDSL Inventory:		One or more components in this product are		
		not listed on or exempt from the Inventory.		
Philippines PICCS:		One or more components in this product are		
		not listed on or exempt from the Inventory.		
US TSCA Inventory:		All components in this product are listed on or		
		exempt from the Inventory.		
		-		
New Zealand Inventory of Chemicals:		One or more components in this product are		
		not listed on or exempt from the Inventory.		
Japan ISHL Listing:		One or more components in this product are		



Japan Pharmacopoeia Listing:

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P AMARILLO WHITE Material: 015147 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number: EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and	Category 4
Carcinogenicity	Category 2

Unknown toxicity - Health

Acute toxicity, oral	0.078 %
Acute toxicity, dermal	68.16 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	96.7 %

Environmental Hazards

environment	
Acute hazards to the aquatic	Category 1

Unknown toxicity - Environment

Acute hazards to the aquatic environment	9.45 %
Chronic hazards to the aquatic	100 %
environment	

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Iron oxide	1309-37-1	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Inhalation:

Move to fresh air.



Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.			
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.			
Most important symptoms/effects, acute and delayed				
Symptoms:	May cause skin and eye irritation.			
Indication of immediate medical a	ttention and special treatment needed			
Treatment:	Symptoms may be delayed.			
5. Fire-fighting measures				
General Fire Hazards:	No unusual fire or explosion hazards noted.			
Suitable (and unsuitable) extinguishing media				
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.			
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.			
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.			
Special protective equipment and	d precautions for firefighters			
Special fire fighting procedures:	No data available.			
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.			
6. Accidental release measures				
Personal precautions, protective equipment and emergency procedures:	No data available.			
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.			
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.			



Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Titanium dioxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)



	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
		_	Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
fraction.			
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Total dust.	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Iron oxide - Respirable	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.			2016)
	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Iron oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
			2016)

Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)





Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work



			Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Furne as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Furne as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection: Other:	Use suitable protective gloves if risk of skin contact. Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.



Hygiene measures:

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance Physical state: liquid Paste Form: Color: White Odor: Mild Odor threshold: No data available. pH: No data available. Melting point/freezing point: No data available. Initial boiling point and boiling range: No data available. Flash Point: 232 °C 450 °F(Setaflash Closed Cup) **Evaporation rate:** Slower than Ether Flammability (solid, gas): No Upper/lower limit on flammability or explosive limits Flammability limit - upper (%): No data available. Flammability limit - lower (%): No data available. Explosive limit - upper (%): No data available. Explosive limit - lower (%): No data available. Vapor pressure: No data available. Vapors are heavier than air and may travel along the floor and Vapor density: in the bottom of containers. **Relative density:** 2.05 Solubility(ies) Solubility in water: Practically Insoluble Solubility (other): No data available. Partition coefficient (n-octanol/water): No data available. Auto-ignition temperature: No data available. **Decomposition temperature:** No data available. Viscosity: No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.



Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely route Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Iron oxide	LD 50 (Rat): > 5,000 mg/kg

Dermal



Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Diisodecyl phthalate	LD 50 (Rabbit): > 3,160 mg/kg
Amorphous silica	LD 50 (Rabbit): > 2,000 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Not irritant Experimental result, Supporting study
Aluminum oxide	in vivo (Rabbit): Not irritant Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Not irritant Experimental result, Key study
Iron oxide	in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study
Serious Eye Damage/Eye Irritatio	on No data available

Product: Specified substance(s):	No data available.
Titanium dioxide	Rabbit, 24 hrs: Not irritating
Aluminum oxide	Rabbit, 24 hrs: Not irritating
Amorphous silica	Rabbit, 24 hrs: Not irritating
Zirconium dioxide	Rabbit, 24 hrs: Not irritating
Respiratory or Skin Sensitization	

Respiratory or Skin Sensitization Product: No data available.

Carcinogenicity Product: S

Suspected of causing cancer.



IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Prog No carcinogenic compone	ram (NTP) Report on Carcinogens: ents identified	
US. OSHA Specifically Regula No carcinogenic compone	ated Substances (29 CFR 1910.1001-1050): ents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicit Product:	y - Single Exposure No data available.	
Specific Target Organ Toxicit Product:	y - Repeated Exposure No data available.	
Aspiration Hazard Product:	No data available.	
Other effects:	No data available.	
12. Ecological information		
Ecotoxicity:		
Acute hazards to the aquati	c environment:	

Fish Product:

No data available.

Specified substance(s): Diisodecyl phthalate

LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality



Aquatic Invertebrates Product:	No data available.			
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication			
Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality			
Chronic hazards to the aquatic environment:				
Fish Product:	No data available.			
Aquatic Invertebrates Product:	No data available.			
Toxicity to Aquatic Plants Product:	No data available.			
Persistence and Degradability				
Biodegradation Product:	No data available.			
BOD/COD Ratio Product:	No data available.			
Bioaccumulative potential Bioconcentration Factor (BC Product:	CF) No data available.			
Partition Coefficient n-octanol / w Product:	vater (log Kow) No data available.			
Mobility in soil:	No data available.			
Other adverse effects:	Very toxic to aquatic organisms.			
13. Disposal considerations				
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.			
Contaminated Packaging:	No data available.			



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)



SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide Amorphous silica Zirconium dioxide Iron oxide Threshold Planning Quantity 10000 lbs 10000 lbs 10000 lbs 10000 lbs 10000 lbs 10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

Chemical Identity Titanium dioxide

Aluminum oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention



Not applicable

Rotterdam convention

Not applicable

Kyoto protocol Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



In	ventory Status:	
	Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
	Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
	EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
	Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
	China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
	Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
	Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
	Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
	US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
	New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
	Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
	Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
	Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory.
	Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
	Taiwan Chemical Substance Inventory:	One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	02/20/2019	
Version #:	1.1	
Further Information:	No data available.	
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.	



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P ANTIQUE PINK Material: 015123 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards					
Acute toxicity (Inhalation - dust and mist)	Category 4				
Carcinogenicity	Category 2				
Unknown toxicity - Health					
Acute toxicity, oral	0.17 %				
Acute toxicity, dermal	67.22 %				
Acute toxicity, inhalation, vapor	100 %				
Acute toxicity, inhalation, dust or mist	96.93 %				
Environmental Hazards					
Acute hazards to the aquatic environment	Category 1				
Unknown toxicity - Environment					
Acute hazards to the aquatic environment	12.63 %				
Chronic hazards to the aquatic environment	100 %				

Label Elements

Hazard Symbol:





Signal Word:	Warning	
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Iron oxide	1309-37-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Carbon Black	1333-86-4	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-alu measures	4.	First-aid	measures
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Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	



Most important symptoms/effects, acute and delayed					
Symptoms: May cause skin and eye irritation.					
ndication of immediate medical attention and special treatment needed					
Treatment: Symptoms may be delayed.					
5. Fire-fighting measures					
General Fire Hazards: No unusual fire or explosion hazards noted.					
Suitable (and unsuitable) extinguishing media					
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.				
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.				
Specific hazards arising from the chemical:	arising from During fire, gases hazardous to health may be formed.				
Special protective equipment and precautions for firefighters					
Special fire fighting procedures:	No data available.				
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.				
6. Accidental release measure	S				
Personal precautions, protective equipment and emergency procedures:	No data available.				
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.				
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.				
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.				



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as	TWA	5 mg/m3	Canada. British Columbia OELs.



Fe			(Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.



9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Pink
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explo	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	20.1
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.



11. Toxicological information

Information on likely routes of exp Ingestion:	Dosure May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Information on toxicological effe	cts
Acute toxicity (list all possible	routes of exposure)
Oral Product:	No data available.
Dermal Product:	ATEmix: 3,421.82 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: N

No data available.



Specified substance(s): Titanium dioxide	in vivo (Rabbit 24 hrs). Not irritating
	in vivo (Rabbit 24 hrs): Not irritating
	in vivo (Rabbit, $1 - 72$ brs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 nrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mort	tality
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	
Partition Coefficient n-octand Product:	o l / water (log Kow) No data available. 10	0/14



Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity

Reportable quantity

Diisodecyl phthalate Diisodecvl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity **Threshold Planning Quantity**

Titanium dioxide	500 lbs
Diisodecyl phthalate	500 lbs
Aluminum oxide	500 lbs
Iron oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Carbon Black	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Aluminum oxide Iron oxide

Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Titanium dioxide **Diisodecyl phthalate** Aluminum oxide Iron oxide



US. Rhode Island RTK Chemical Identity Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water and exempt solvent): VOC Method 310:	0 g/l	
	0.00 /0	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:		One or more components in this product are



not listed on or exempt from the Inventory.

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	10/14/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P ANTIQUE WHITE Material: 015176 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neann	nazarus

Carcinogenicity	Category 2			
Unknown toxicity - Health				
Acute toxicity, oral	0.1 %			
Acute toxicity, dermal	67.33 %			
Acute toxicity, inhalation, vapor	100 %			
Acute toxicity, inhalation, dust or mist	99.36 %			
Environmental Hazards				
Acute hazards to the aquatic environment	Category 1			
Unknown toxicity - Environment				
Acute hazards to the aquatic	10.27 %			
Chronic hazards to the aquatic environment	100 %			

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%
Iron oxide	1309-37-1	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures		
Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		

Treatment: Symptoms may be delayed.


5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	<i>v</i> e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.94
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	 I

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,426.1 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



S

Serious Eye Damage/Eye Irritatio Product:	n No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated	n (NTP) Report on Carcinogens: ponents identified I Substances (29 CFR 1910.1001-1050):	
No carcinogenic comp	ponents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Single Exposure Product: No data available.		
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



Bioaccumulative Potential Bioconcentration Factor (BC	F)
Product:	No data available.
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Carbon Black	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Iron oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

500 lbs

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent):	0.00.0/	
	0.00 %	
Inventory Status		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSI Inventory List:		All components in this product are listed on or
		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the inventory.
Japan (ENCS) List:		One or more components in this product are
		not listed on or exempt from the Inventory.
Chipa Inv. Existing Chamical Substances:		One or more companyons in this product are
China inv. Existing Chemical Substances.		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
		not listed on or exempt from the inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippings PICCS:		One or more compensate in this product are
Finippines FICCS.		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan ISHI Licting		One or more compensate in this product are
Japan ISHE Lisuny.		not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BANNER RED Material: 015116 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Skin sensitizer	Category 1
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	62.6 %
Acute toxicity, dermal	84.2 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	100 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	38.59 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	May cause an allergic skin reaction. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Wash contaminated clothing before reuse. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*	
Wood rosin	8050-09-7	0.5 - 1.5%	
Carbon Black	1333-86-4	0.1 - 1%	
* All concentrations are percent	by weight unless ing	redient is a gas. Gas concentrations are in percent by	volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Get medical attention if symptoms occur. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.



Most important symptoms/effects	s, acute and delayed		
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical at	ttention and special treatment needed		
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) ex	ctinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures	5		
Personal precautions, protective equipment and emergency procedures:	See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.		



7. Handling and storage

Precautions for safe handling:	Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.		
Conditions for safe storage, including any incompatibilities:	Store locked up.		

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Red
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosi	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.22
Solubility(ies)	



10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin. May cause an allergic skin reaction.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.	
Dermal Product:	ATEmix: 2,217.57 mg/kg	
Inhalation Product:	No data available.	

Repeated dose toxicity	
Product:	No data available.



Product:	No data available.
Specified substance(s): Wood rosin	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Serious Eye Damage/Eye Irritation Product:	on No data available.
Specified substance(s): Wood rosin	in vivo (Rabbit, 24 hrs): Irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified
US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity	d Substances (29 CFR 1910.1001-1050): ponents identified
US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity In vitro Product:	d Substances (29 CFR 1910.1001-1050): ponents identified No data available.
US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product:	d Substances (29 CFR 1910.1001-1050): ponents identified No data available. No data available.
US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product:	d Substances (29 CFR 1910.1001-1050): ponents identified No data available. No data available. No data available.



Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	
Ecotoxicity:	
Acute hazards to the aquatic	environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aqua	tic environment:
Fish Product:	No data available.
Specified substance(s): Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (B Product:	SCF) No data available.

Partition Coefficient n-octanol / water (log Kow)



Product:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	
15. Regulatory information	
US Federal Regulations	
TSCA Section 12(b) Export No None present or no	otification (40 CFR 707, Subpt. D) ne present in regulated quantities.
US. OSHA Specifically Regula None present or no	ated Substances (29 CFR 1910.1001-1050) ne present in regulated quantities.
CERCLA Hazardous Substan	ce List (40 CFR 302.4):
Chemical Identity	Reportable quantity
Superfund Amendments and	Reauthorization Act of 1986 (SARA)
Hazard categories Immediate (Acute) Health H	lazards

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity

Reportable quantity

Diisodecyl phthalate Diisodecvl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity **Threshold Planning Quantity** Wood rosin 500 lbs Carbon Black 500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Carbon Black

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Diisodecyl phthalate

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status: Australia AICS:

One or more components in this product are not listed on or exempt from the Inventory.

Canada DSL Inventory List:

All components in this product are listed on or exempt from the Inventory.



EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/19/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BAPTIST BRICK Material: 015120 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	37.8 %
Acute toxicity, dermal	97.95 %
Acute toxicity inhalation vapor	100 %
Acute toxicity inhalation, tupol	98 97 %
	00.01 /0
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	43.89 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Diisodecyl phthalate	26761-40-0	25 - <50%
Iron oxide	1309-37-1	20 - <50%
Titanium dioxide	13463-67-7	10 - <20%
Carbon Black	1333-86-4	1 - <5%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.
Inhalation:	Move to fresh air.
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Eye contact:	Rinse immediately with plenty of water.



Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical a	ttention and special treatment needed	
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	5	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.	



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide -	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of



Total dust.			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.	
Eye/face protection:	Wear goggles/face shield.	
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.	
Other:	No data available.	
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.	
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.	

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste





Color:	Red brown
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.85
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)	
Oral Product:	No data available.
Dermal Product:	No data available.
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: No data available.



Iron oxide	in vivo (Rabbit 1 - 72 brs): Not irritating
l Itanium dioxide	In VIVO (Raddit, 24 nrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified
	d Substances (20 CEP 1010 1001-1050).
No carcinogenic com	ponents identified
OS. OSHA Specifically Regulated No carcinogenic com Germ Cell Mutagenicity	ponents identified
OS. OSHA Specifically Regulated No carcinogenic com Germ Cell Mutagenicity In vitro Product:	No data available.
OS. OSHA Specifically Regulated No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product:	No data available.
Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product:	No data available. No data available.
OS. OSHA Specifically Regulated No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product:	No data available. No data available. No data available. Single Exposure No data available.
OS. OSHA Specifically Regulated No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product: Specific Target Organ Toxicity - Product:	No data available. No data available. No data available. Single Exposure No data available. Repeated Exposure No data available.



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study
Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	
15. Regulatory information	
US Federal Regulations	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.	

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards



Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release NotificationChemical IdentityReportable quantityDiisodecyl phthalateDiisodecylDiisodecylphthalate

(mixed ls)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
500 lbs

SARA 313 (TRI Reporting) Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Iron oxide

Titanium dioxide Carbon Black Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity Iron oxide Titanium dioxide Carbon Black Aluminum oxide



US. Pennsylvania RTK - Hazardous	Substance	es a la companya de l
Chemical Identity		
Diisodecyl phthalate		
Iron oxide		
Titanium dioxide		
Carbon Black		
Aluminum Oxide		
US. Rhode Island RTK		
Chemical Identity		
Diisodecyl obthalate		
Aldminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent):	0	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSI Inventory List:		All components in this product are listed on or
Canada DOE inventory List.		exempt from the Inventory
		exempt from the inventory.
		One or more components in this product are
EINECS, ELINCS OF NLP:		One or more components in this product are
		not listed on or exempt from the inventory.
		-
Japan (ENCS) List:		One or more components in this product are
		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
-		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
		not listed on or exempt from the Inventory
		not listed on or exempt nom the inventory.
		One or more compensate in this product are
Canada NDSL Inventory.		one of more components in this product are
		not listed on of exempt from the inventory.
Philippines PICCS:		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.



Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory.
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Taiwan Chemical Substance Inventory:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/29/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.


SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BEACH Material: 015144 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B
Unknown toxicity - Health	
Acute toxicity, oral	0.24 %
Acute toxicity, dermal	68.49 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.34 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	10.08 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Iron oxide	1309-37-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Dioctyl phthalate	117-81-7	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	3	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	

8. Exposure controls/personal protection

Control Parameters



Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for



			Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Blue
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.06
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.



1

Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

nformation on likely routes of exposure		
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.	
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	May be harmful in contact with skin.	
Eye contact:	Eye contact is possible and should be avoided.	

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,460.8 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irrita	ation

Serious Eye Damage/Eye Irritation Product: No data available.



Specified substance(s):			
Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating		
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating		
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating		
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Respiratory or Skin Sensitization Product:	No data available.		
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.		
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.		
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.		
US. National Toxicology Program (NTP) Report on Carcinogens: Dioctyl phthalate Reasonably Anticipated to be a Human Carcinogen.			
US. OSHA Specifically Regulated No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified		
Germ Cell Mutagenicity			
In vitro Product:	No data available.		
In vivo Product:	No data available.		
Reproductive toxicity Product:	May damage fertility or the unborn child.		
Specific Target Organ Toxicity - Single Exposure Product: No data available.			
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.			
Aspiration Hazard Product:	No data available.		
Other effects:	No data available.		



12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	

No data available.



BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.



US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalate

Disodecyl phthalate Disodecyl phthalate (mixed ls) Dioctyl phthalate 100 lbs.

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbs

	200 102
Aluminum oxide	500 lbs
Iron oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Dioctyl phthalate	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide Dioctyl phthalate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide Iron oxide



US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Iron oxide Dioctyl phthalate

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	Regulatory VOC (less water	0 g/l	
	and exempt solvent): VOC Method 310:	0.00 %	
h	nventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
	Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
	EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
	Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
	China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
	Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
	Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
	Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
	US TSCA Inventory:		All components in this product are listed on or



exempt from the Inventory.

New Zealand Inventory of Chemicals:One or more components in this product are
not listed on or exempt from the Inventory.Japan ISHL Listing:One or more components in this product are
not listed on or exempt from the Inventory.Japan Pharmacopoeia Listing:One or more components in this product are
not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BEIGE Material: 015108 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.21 %
Acute toxicity, dermal	64.42 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.51 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	21.14 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Iron oxide	1309-37-1	3 - 7%
Aluminum oxide	1344-28-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Carbon Black	1333-86-4	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Most important symptoms/effects	s, acute and delayed
Symptoms:	May cause skin and eye irritation.
Indication of immediate medical at	ttention and special treatment needed
Treatment:	Symptoms may be delayed.



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible containment and cleaning material. Collect spillage in containers, seal securely and deliver for up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the



			Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties



Appearance	
Physical state:	liquid
Form:	Paste
Color:	Beige
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.89
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	

Information on likely routes of exposure



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,385.51 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization	

Respiratory or Skin Sensitization Product: No data available.

Carcinogenicity Product:

Suspected of causing cancer.



IARC Monogra	aphs on the Evalu	ation of Carcinogenic Risks to Humans:
т	itanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
C	arbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National T N	Foxicology Progra	am (NTP) Report on Carcinogens: nponents identified
US. OSHA Spo N	ecifically Regulate	ed Substances (29 CFR 1910.1001-1050): nponents identified
Germ Cell Mu	tagenicity	
In vitro Product	:	No data available.
In vivo Product	:	No data available.
Reproductive Product	toxicity :	No data available.
Specific Targe Product	et Organ Toxicity :	- Single Exposure No data available.
Specific Targe Product	et Organ Toxicity :	- Repeated Exposure No data available.
Aspiration Ha Product	zard :	No data available.
Other effects	:	No data available.
	information	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.



Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquation	c environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experiment result	al
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	10/14



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalate

Diisodecyl phthalate (mixed Is)



SARA 311/312 Hazardous Chemical <u>Chemical Identity</u> <u>Threshold Planning Quantity</u>

Titanium dioxide Iron oxide Aluminum oxide Amorphous silica Carbon Black Zirconium dioxide 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Iron oxide Aluminum oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:



Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.





SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BLACK Material: 015102 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity	Category 1A
Toxic to reproduction	Category 1B

Unknown toxicity - Health

Acute toxicity, oral	23.85 %
Acute toxicity, dermal	23.85 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	100 %

Environmental Hazards

Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 1
known toxicity - Environment	
A suite here relete the equation	22 OF 0/

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Acute hazards to the aquatic	23.85 %
environment	
Chronic hazards to the aquatic	23.85 %
environment	

Label Elements



Hazard Symbol:

Signal Word:	Danger
Hazard Statement:	May cause cancer. May damage the unborn child. Suspected of damaging fertility. Very toxic to aquatic life with long lasting effects.
Precautionary Statements	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Use personal protective equipment as required.
Response:	IF exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Diisodecyl phthalate	26761-40-0	50 - <100%
Carbon Black	1333-86-4	20 - <50%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.



Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
Personal Protection for First- aid Responders:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Most important symptoms/effect	cts, acute and delayed
Symptoms:	May cause skin and eye irritation.
Hazards:	No data available.
Indication of immediate medica	I attention and special treatment needed
Treatment:	Symptoms may be delayed.
5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) exting	guishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment a	nd precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measur	es
Personal precautions, protective equipment and emergency procedures:	No data available.
Accidental release measures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.



Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Handling		
Technical measures (e.g. Local and general ventilation):	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.	
Safe handling advice:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Contact avoidance measures:	No data available.	
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.	
Storage		
Safe storage conditions:	Store locked up.	
Safe packaging materials:	No data available.	

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values, as amended (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)

Chemical name	Туре	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Black
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.



Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.56
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics



Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Information on toxicological effect	ets
Acute toxicity (list all possible	routes of exposure)
Oral Product:	
Specified substance(s): Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Dermal Product:	ATEmix: 3,160 mg/kg
Inhalation Product:	
Specified substance(s): Diisodecyl phthalate	LC 50 (Rat): > 12.54 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Carbon Black	in vivo (Rabbit): Not irritant , 1 - 72 h
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.



IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Progra Carbon Black	m (NTP) Report on Carcinogens: Known To Be Human Carcinogen.	
US. OSHA Specifically Regulate No carcinogenic component	ed Substances (29 CFR 1910.1001-1050), as amended: ts identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	- Single Exposure No data available.	
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.		
Aspiration Hazard Product:	No data available.	
Other effects:	No data available.	

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:

No data available.

Specified substance(s): Diisodecyl phthalate

LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality


Aquatic Invertebrates Product:	No data available.		
Specified substance(s): Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality		
Chronic hazards to the aquati	c environment:		
Fish Product:	No data available.		
Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative potential Bioconcentration Factor (BC Product:	CF) No data available.		
Partition Coefficient n-octanol / v Product:	vater (log Kow) No data available.		
Specified substance(s): Diisodecyl phthalate	Log Kow: 10.36		
Mobility in soil:	No data available.		
Other adverse effects:	Very toxic to aquatic life with long lasting effects.		
13. Disposal considerations			
Disposal methods:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard Carcinogenicity Reproductive toxicity

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

SARA 304 Emergency Release Notification None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical <u>Chemical Identity</u> <u>Threshold Planning Quantity</u>

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.



Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Carbon Black

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Diisodecyl phthalate Carbon Black

US. Rhode Island RTK Chemical Identity

Carbon Black

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



Inventory Status: Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory. EINECS, ELINCS or NLP: All components in this product are listed on or exempt from the Inventory. Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory. All components in this product are listed on or China Inv. Existing Chemical Substances: exempt from the Inventory. Korea Existing Chemicals Inv. (KECI): All components in this product are listed on or exempt from the Inventory. Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory. Philippines PICCS: All components in this product are listed on or exempt from the Inventory. All components in this product are listed on or US TSCA Inventory: exempt from the Inventory. All components in this product are listed on or New Zealand Inventory of Chemicals: exempt from the Inventory. Japan ISHL Listing: All components in this product are listed on or exempt from the Inventory. One or more components in this product are Japan Pharmacopoeia Listing: not listed on or exempt from the Inventory. Australia AICS: One or more components in this product are not listed on or exempt from the Inventory. Ontario Inventory: One or more components in this product are not listed on or exempt from the Inventory. Mexico INSQ: One or more components in this product are not listed on or exempt from the Inventory. Taiwan Chemical Substance Inventory: One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	04/14/2021
Version #:	2.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BLUE GRAY Material: 015130 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.42 %
Acute toxicity, dermal	56.5 %
Acute toxicity inhalation vapor	100 %
Acute toxicity, inhalation, dust or mist	97.46 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	13.07 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	20 - <50%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Carbon Black	1333-86-4	1 - <5%
Copper phthalocyanine	147-14-8	1 - <5%
Zirconium dioxide	1314-23-4	0.1 - <1%
Amorphous silica	7631-86-9	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.



Most important symptoms/effects, acute and delayed			
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical a	ttention and special treatment needed		
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) ex	xtinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment an	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures	S		
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.		



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Copper phthalocyanine - Fume as Cu	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Copper phthalocyanine - Dust and mist as Cu	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)





Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.		
Eye/face protection:	Wear safety glasses with side shields (or goggles).		
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.		
Other:	Wear suitable protective clothing.		
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.		
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.		

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Blue
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.73
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature: Viscosity:	No data available. No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	1
Information on likely routes of ex Ingestion:	xposure May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Information on toxicological ef	fects
Acute toxicity (list all possib	le routes of exposure)
Oral Product:	No data available.
Dermal Product:	ATEmix: 3,469.82 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity	

Product: No data available.

Skin Corrosion/Irritation	
Product:	No data available.



Specified substance(s):	ubstance(s):
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Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Copper phthalocyanine	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: No

No data available.

Specified substance(s):

Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Copper phthalocyanine	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinoger Produ	licity lct:	Suspected of causing cancer.
IARC Mono	graphs on the Evalua	ation of Carcinogenic Risks to Humans:
	Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
	Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxici Product:	ty - Single Exposure No data available.
Specific Target Organ Toxici Product:	ty - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication
Chronic hazards to the aquation	c environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.



Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.
Partition Coefficient n-octar Product:	n ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	

80000050169



15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateCopper phthalocyanineDiisodecylphthalate(mixed Is)Comparison

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Titanium dioxide	500 lbs
Diisodecyl phthalate	500 lbs
Aluminum oxide	500 lbs
Carbon Black	500 lbs
Copper phthalocyanine	500 lbs
Zirconium dioxide	500 lbs
Amorphous silica	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.



US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide Carbon Black Copper phthalocyanine

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Carbon Black

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Carbon Black Copper phthalocyanine

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.



Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory.
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Taiwan Chemical Substance Inventory:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	10/14/2016
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BLUE SPRUCE Material: 015198 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.42 %
Acute toxicity, dermal	50.78 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.71 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	28.24 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	15 - 40%
Copper phthalocyanine	147-14-8	1 - 5%
Carbon Black	1333-86-4	1 - 5%
Aluminum oxide	1344-28-1	1 - 5%
Zirconium dioxide	1314-23-4	0.1 - 1%
Amorphous silica	7631-86-9	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures		
Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		

Treatment: Symptoms may be delayed.



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Copper phthalocyanine - Fume as Cu	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Copper phthalocyanine - Dust and mist as Cu	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Blue
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.57
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.		
Viscosity:	No data available.		
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information	 I		

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,464.77 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Se

Serious Eye Damage/Eye Irritatio Product:	on No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Copper phthalocyanine	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity	No. 1975 - Aller

No data available.

- Specific Target Organ Toxicity Single Exposure
 - Product: No data available.
- Specific Target Organ Toxicity Repeated Exposure Product: No data available.

Aspiration Hazard

Product:



Product:	No data available.
Other effects:	No data available.
12. Ecological information	
Ecotoxicity:	
Acute hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquati	ic environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.

Bioaccumulative Potential



Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateCopper phthalocyanine

Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Copper phthalocyanine Carbon Black Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Carbon Black Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Carbon Black Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent): VOC Method 310:	0.00 %	
	0.00 /0	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or
		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory
Japan (ENCS) List:		One or more components in this product are
		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
		······································
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are
		not listed on or exempt from the Inventory.
		All company and in this product are listed on or
US ISCA Inventory:		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmaconceia Listing		One or more components in this product are
Sapan Fhannacopoela Listing.		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BOYSENBERRY Material: 015118 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards Carcinogenicity

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	54.58 %
Acute toxicity, dermal	94.84 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or n	nist 99.22 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	

Acute hazards to the aquatic	46.98 %
environment	
Chronic hazards to the aquatic	100 %
environment	

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Iron oxide	1309-37-1	15 - 40%
Titanium dioxide	13463-67-7	10 - 30%
Carbon Black	1333-86-4	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Aluminum oxide	1344-28-1	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		

• • • • • • • • •

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures	5		
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.		
7. Handling and storage			
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		
Conditions for safe storage, including any incompatibilities:	Store locked up.		

8. Exposure controls/personal protection



Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
l Itanium dioxide -	IWA	10 mg/m3	Canada. Quebec OELs. (Ministry of


Total dust.			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

liquid
Paste
Violet
Mild
No data available.



Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.47
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.



Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 32,740.66 mg/kg
Dermal Product:	ATEmix: 3,720.22 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Serious Eye Damage/Eye Irritatio Product:	on No data available.
Specified substance(s): Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating

Respiratory or Skin Sensitization



Product:	No data available.	
Carcinogenicity		
Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Single ExposureProduct:No data available.		
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard Product:	No data available.	
Other effects:	No data available.	

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:

No data available.



Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquati	c environment:	
Fish Product:	No data available.	
Specified substance(s): Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study	
Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study	
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.	
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		



Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalatephthalateDiisodecylphthalate(mixed Is)





SARA 311/312 Hazardous Chemical

Chemical Identity

Threshold Planning Quantity

Iron oxide Titanium dioxide Carbon Black Amorphous silica Aluminum oxide Zirconium dioxide

500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Iron oxide Titanium dioxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Iron oxide Titanium dioxide Carbon Black

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Iron oxide Titanium dioxide Carbon Black

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status: Australia AICS:



	not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/19/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.





Version: 2.1 Revision Date: 04/14/2021

SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BRICK RED Material: 015117 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Toxic to reproduction	Category 1B

Unknown toxicity - Health

Acute toxicity, oral	3.69 %
Acute toxicity, dermal	71.47 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.56 %

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	
Chronic hazards to the aquatic	Category 1
environment	

Unknown toxicity - Environment

Acute hazards to the aquatic	63.35 %
environment	
Chronic hazards to the aquatic	63.35 %
environment	



Label Elements

Hazard Symbol:

	¥2
Signal Word:	Danger
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. May damage the unborn child. Suspected of damaging fertility. Very toxic to aquatic life with long lasting effects.
Precautionary Statements	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Use personal protective equipment as required.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.
(s) not otherwise	None

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Iron oxide	1309-37-1	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Titanium dioxide	13463-67-7	5 - <10%
Amorphous silica	7631-86-9	1 - <5%
Aluminum oxide	1344-28-1	0 - <1%
Diisodecyl phthalate (mixed Is)	68515-49-1	0.1 - <0.25%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.



4. First-aid measures

Description of necessary first-aid measures			
Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.		
Personal Protection for First- aid Responders:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
Most important symptoms/effec	cts, acute and delayed		
Symptoms:	May cause skin and eye irritation.		
Hazards:	No data available.		
Indication of immediate medica	l attention and special treatment needed		
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
5. Fire-fighting measures General Fire Hazards:	No unusual fire or explosion hazards noted.		
5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting	No unusual fire or explosion hazards noted. Juishing media		
5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media:	No unusual fire or explosion hazards noted. Juishing media Use fire-extinguishing media appropriate for surrounding materials.		
5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media:	No unusual fire or explosion hazards noted. Juishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire.		
5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media: Specific hazards arising from the chemical:	No unusual fire or explosion hazards noted. Juishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed.		
5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media: Specific hazards arising from the chemical: Special protective equipment a	No unusual fire or explosion hazards noted. Juishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed. Ind precautions for firefighters		
5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media: Specific hazards arising from the chemical: Special protective equipment a Special fire fighting procedures:	No unusual fire or explosion hazards noted. Juishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed. Ind precautions for firefighters No data available.		

6. Accidental release measures



Personal precautions, protective equipment and emergency procedures:	No data available.
Accidental release measures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Handling	
Technical measures (e.g. Local and general ventilation):	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Safe handling advice:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Contact avoidance measures:	No data available.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
Storage	
Safe storage conditions:	Store locked up.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Iron oxide - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as





		particles per	amended (03 2016)
		cubic foot of	
		air	
Iron oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
		Ű	amended (03 2016)
Titanium dioxide	TWA	10 mg/m3	US ACGIH Threshold Limit Values as
		i o mg/mo	amended (2011)
Titanium diaxida Tatal dust	DEI	15 mg/m3	LIS OSHA Table 7.1 Limits for Air
	1	15 119/115	Contominante (20 CEP 1010 1000) en
			Contaminants (29 CFR 1910.1000), as
			amended (02 2006)
Litanium dioxide - Respirable	IWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
fraction.		particles per	amended (03 2016)
		cubic foot of	
		air	
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
			amended (03 2016)
Titanium dioxide - Respirable	TWA	5 mg/m3	US_OSHA Table 7-3 (29 CER 1910 1000) as
fraction		o mg/mo	amended (03 2016)
Titanium diavida Total dust	Τ \Λ/ Λ	50 millions of	LIS OSHA Table 7.2 (20 CEP 1010 1000) ac
Titanium dioxide - Totai dust.	IVVA	SU MINIONS OF	03. 03HA TABLE 2-3 (29 CFR 1910.1000), as
		particles per	amended (03 2016)
		cubic foot of	
		air	
Amorphous silica	TWA	20 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
		particles per	amended (2000)
		cubic foot of	
		air	
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
		J	amended (2000)
Aluminum oxide - Respirable	TWA	1 mg/m3	US ACGIH Threshold Limit Values as
fraction		1 mg/mo	amended (2011)
	DEI	5 mg/m3	LIS OSHA Table 7.1 Limits for Air
	FLL	5 mg/m5	Contominante (20 CEP 1010 1000) en
			Containinants (29 CFR 1910, 1000), as
	551	45 / 0	
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000), as
			amended (02 2006)
	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
		particles per	amended (03 2016)
		cubic foot of	
		air	
Aluminum oxide - Respirable	TWA	15 millions of	US_OSHA Table 7-3 (29 CER 1910 1000) as
fraction	1	narticles per	amended (03 2016)
macuon.		particles per	amended (03 2010)
	T)A/A		
	IVVA	5 mg/m3	US. USHA Table Z-3 (29 CFR 1910.1000), as
	ļ		amended (03 2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
	1		amended (03 2016)



Chemical name	Туре	Exposure Limit Values	Source
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)



Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Diisodecyl phthalate (mixed Is)	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Zirconium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (01 2020)
Zirconium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
Zirconium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (04 2019)
Zirconium dioxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
Zirconium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (01 2020)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Red
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	ive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.22



Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure
Inhalation:In high concentrations, vapors, fumes or mists may irritate nose, throat and
mucus membranes.Skin Contact:May be harmful in contact with skin.Eye contact:Eye contact is possible and should be avoided.Ingestion:May be ingested by accident. Ingestion may cause irritation and malaise.Symptoms related to the physical, chemical and toxicological characteristicsInhalation:No data available.

Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:



Specified substance(s): Iron oxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Diisodecyl phthalate (mixed Is)	LD 50 (Rat): 64,000 mg/kg
Dermal Product:	ATEmix: 3,187.28 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Iron oxide	in vivo (Rabbit): Not irritant , 24 - 72 h
Titanium dioxide	in vivo (Rabbit): Not irritant , 24 h
Amorphous silica	in vivo (Rabbit): Not irritant , 24 h
Aluminum oxide	in vivo (Rabbit): Not irritant , 24 - 72 h
Diisodecyl phthalate (mixed Is)	in vivo (Rabbit): Not irritant , 24 - 72 h

Serious Eye Damage/Eye Irritati Product: Specified substance(s):	on No data available.
Titanium dioxide	Rabbit, 24 hrs: Not irritating
Aluminum oxide	Rabbit, 24 hrs: Not irritating

Respiratory or Skin Sensitization



Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulate No carcinogenic components	d Substances (29 CFR 1910.1001-1050), as amended: s identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard Product:	No data available.	
Other effects:	No data available.	

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:



Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Diisodecyl phthalate (mixed Is)	LC 50 (Oncorhynchus mykiss, 96 h): > 0.62 mg/l Experimental result, Key study
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality
Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate (mixed Is)	LC 50 (Daphnia magna, 48 h): > 0.02 mg/l Experimental result, Key study
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Diisodecyl phthalate (mixed Is)	NOAEL (Daphnia magna): 0.0034 mg/l Experimental result, Key study
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
Specified substance(s): Diisodecyl phthalate (mixed Is)	 5.4 % Detected in water. Experimental result, Supporting study 42 % (21 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study 57.9 % Detected in water. Experimental result, Key study 74 % Detected in water. Experimental result, Supporting study 11.6 % Detected in water. Experimental result, Supporting study
BOD/COD Ratio Product:	No data available.

Bioaccumulative potential Bioconcentration Factor (BCF)



Product:	No data available.	
Specified substance(s): Diisodecyl phthalate (mixed Is)	Eisenia fetida, Terrestrial Experimental result, Key study	
Partition Coefficient n-octanol / w Product:	vater (log Kow) No data available.	
Specified substance(s): Diisodecyl phthalate	Log Kow: 10.36	
Mobility in soil:	No data available.	
Other adverse effects:	Very toxic to aquatic life with long lasting effects.	
13. Disposal considerations		
Disposal methods:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	

14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.



US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity Reproductive toxicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical <u>Chemical Identity</u> <u>Threshold Planning Quantity</u>

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Iron oxide Titanium dioxide Amorphous silica

US. Massachusetts RTK - Substance List

Chemical Identity

Iron oxide Titanium dioxide Amorphous silica



US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Iron oxide Diisodecyl phthalate Titanium dioxide Amorphous silica

US. Rhode Island RTK

<u>Chemical Identity</u> Iron oxide Titanium dioxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Ontario Inventory:

Mexico INSQ:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	04/14/2021
Version #:	2.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BRITE WHITE Material: 015139 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.064 %
Acute toxicity, dermal	68.83 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.31 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	7.6 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

CAS number	Content in percent (%)*
13463-67-7	60 - 100%
1344-28-1	3 - 7%
1314-23-4	0.5 - 1.5%
7631-86-9	0.5 - 1.5%
	CAS number 13463-67-7 1344-28-1 1314-23-4 7631-86-9

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.		
Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effects, acute and delayed			
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical attention and special treatment needed			
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			



General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) e	xtinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment an	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measure	s		
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.		
7. Handling and storage			
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		
Conditions for safe storage, including any incompatibilities:	Store locked up.		

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	re limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.05
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.





Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	
Information on likely routes of exposure	

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,448 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritation Product: No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization	

Respiratory or Skin Sensitization
Product:No data available.



Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalu	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Progra No carcinogenic con	nm (NTP) Report on Carcinogens: nponents identified
US. OSHA Specifically Regulate No carcinogenic con	ed Substances (29 CFR 1910.1001-1050): nponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	
Ecotoxicity:	
Acute hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates	



Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.
Partition Coefficient n-octanol / water (log Kow) Product: No data available.	
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.


14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecyl phthalateDiisodecylphthalate(mixed Is)Diisodecyl

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsZirconium dioxide500 lbsAmorphous silica500 lbs

SARA 313 (TRI Reporting) Chemical Identity

Aluminum oxide



One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are

One or more components in this product are

One or more components in this product are not listed on or exempt from the Inventory.

not listed on or exempt from the Inventory.

not listed on or exempt from the Inventory.

exempt from the Inventory.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide

Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate

Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:



Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BRONZE Material: 015101 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	57.33 %
Acute toxicity, dermal	98.74 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.5 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	44.38 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	7 - 13%
Carbon Black	1333-86-4	5 - 10%
Iron oxide	1309-37-1	5 - 10%
Aluminum oxide	1344-28-1	0.1 - 1%
Amorphous silica	7631-86-9	0.1 - 1%

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	

5. Fire-fighting measures



General Fire Hazards:	No unusual fire or explosion hazards noted.			
Suitable (and unsuitable) extinguishing media				
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.			
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.			
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.			
Special protective equipment an	d precautions for firefighters			
Special fire fighting procedures:	No data available.			
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.			
6. Accidental release measures				
Personal precautions, protective equipment and emergency procedures:	No data available.			
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.			
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.			
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.			
7. Handling and storage				
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.			
Conditions for safe storage, including any incompatibilities:	Store locked up.			
8. Exposure controls/personal	protection			

Control Parameters



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as	TWA	5 mg/m3	Canada. British Columbia OELs.



Fe			(Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.		
Eye/face protection:	Wear goggles/face shield.		
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.		
Other:	No data available.		
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.		
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.		

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Bronze colored
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits



Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.56
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.	
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:

No data available.



Dermal Product:	No data available.
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity	

Product:

Suspected of causing cancer.



IARC Monograp	hs on the Evalua	tion of Carcinogenic Risks to Humans:
Tita	anium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Car	rbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National To No	xicology Program carcinogenic comp	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Spec No	ifically Regulated	I Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Muta	genicity	
In vitro Product:		No data available.
In vivo Product:		No data available.
Reproductive to Product:	oxicity	No data available.
Specific Target Product:	Organ Toxicity - S	Single Exposure No data available.
Specific Target Product:	Organ Toxicity - I	Repeated Exposure No data available.
Aspiration Haza Product:	ard	No data available.
Other effects:		No data available.

12. Ecological information

Ecotoxicity:

Fish Product:

No data available.

Aquatic Invertebrates Product:

No data available.

Chronic hazards to the aquatic environment:



Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study
Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.	
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsCarbon Black500 lbsIron oxide500 lbsAluminum oxide500 lbsAmorphous silica500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.



Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Carbon Black Iron oxide

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Carbon Black

Iron oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Carbon Black Iron oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.



Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/15/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BUCKSKIN Material: 015225 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
ricalti	nazarus

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.079 %
Acute toxicity, dermal	68.32 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.33 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	9.05 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Tan
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.97
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.		
Viscosity:	No data available.		
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information	 I		

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,440.76 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



S

Serious Eye Damage/Eye Irritation Product: No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated No carcinogenic comp	n (NTP) Report on Carcinogens: bonents identified I Substances (29 CFR 1910.1001-1050): bonents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - S Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



Bioaccumulative Potential Bioconcentration Factor (BC	F)	
Product:	No data available.	
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		
TDG:		

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Iron oxide	500 lbs
Carbon Black	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENCS) LIST:		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS:		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
Now Zooland Inventory of Chamicalay		One or more compensate in this product are
New Zealand Inventory of Chemicals:		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmacononia Listing		One or more components in this product are
Sapan Fhannacopoeia Listiliy.		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P BUILDERS BEIGE Material: 015145 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neunn	i luzui us

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.1 %
Acute toxicity, dermal	67.29 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.39 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	12.65 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingention	Call a DOISON CENTER/dector/ ////	
ingestion:	Call a POISON CENTER/doctor//II you leel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Beige
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.01
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.	
Viscosity:	No data available.	
10. Stability and reactivity		
Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of Hazardous Reactions:	No data available.	
Conditions to Avoid:	Avoid heat or contamination.	
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	
11. Toxicological information]	

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,425.84 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.


Serious Eye Damage/Eye Irritation Product:	on No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated No carcinogenic comp	n (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard	



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	



14. Transport information	
Contaminated Packaging:	No data available.
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
13. Disposal considerations	
Other Adverse Effects:	Very toxic to aquatic organisms.
Mobility in Soil:	No data available.
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Iron oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Carbon Black	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Conodo DSL Inventory Liet:		All components in this product are listed on ar
Canada DSL Inventory List.		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENICS) List		One or more compensate in this product are
Japan (ENCS) List.		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not instea on or exempt from the inventory.
Japan Pharmacopoeia Listina:		One or more components in this product are
		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P CHAMPAGNE Material: 015175 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.17 %
Acute toxicity, dermal	63.47 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.46 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	15.79 %
environment	
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	1 - 5%
Carbon Black	1333-86-4	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures Ingestion: Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth. Inhalation: Move to fresh air. **Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if symptoms occur. Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention. Most important symptoms/effects, acute and delayed Symptoms: May cause skin and eye irritation. Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Beige
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.83
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	 I

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,378.15 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritatio Product:	on No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Respiratory or Skin Sensitizatior Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com US. OSHA Specifically Regulated No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



14. Transport information	
Contaminated Packaging:	No data available.
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
13. Disposal considerations	
Other Adverse Effects:	Very toxic to aquatic organisms.
Mobility in Soil:	No data available.
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity **Reportable quantity**

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity	
Titanium dioxide	500 lbs	
Aluminum oxide	500 lbs	
Carbon Black	500 lbs	
Amorphous silica	500 lbs	
Zirconium dioxide	500 lbs	
Iron oxide	500 lbs	

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black



US. Pennsylvania RTK - Hazardous Substances		
Chemical Identity		
Titanium dioxide		
Diisodecyl phthalate		
Aluminum oxide		
Carbon Black		
US. Rhode Island RTK		
Chemical Identity		
Disodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent):	0.00.9/	
VOC Method 310:	0.00 %	
Inventory Status:		One or more companyed in this product are
Australia AICS:		one of more components in this product are
		not instea on or exempt from the inventory.
Canada DSL Inventory List		All components in this product are listed on or
Canada DSL Inventory List.		exempt from the Inventory.
FINECS, FLINCS or NLP		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENCS) List		One or more components in this product are
Sapan (LNCS) List.		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
	-	not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
G (, , ,		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
		-
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are



Japan Pharmacopoeia Listing:

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P CHINA WHITE Material: 015226 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	28.5 %
Acute toxicity, dermal	97.39 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	95.85 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	71.56 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by y		

in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	

Indication of immediate medical attention and special treatment needed



Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	tinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	6	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	



8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection	: Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.



9. Physical and chemical properties

Appearance			
Physical state:	liquid		
Form:	Paste		
Color:	White		
Odor:	Mild		
Odor threshold:	No data available.		
pH:	No data available.		
Melting point/freezing point:	No data available.		
Initial boiling point and boiling range:	No data available.		
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)		
Evaporation rate:	Slower than Ether		
Flammability (solid, gas):	No		
Upper/lower limit on flammability or explosive limits			
Flammability limit - upper (%):	No data available.		
Flammability limit - lower (%):	No data available.		
Explosive limit - upper (%):	No data available.		
Explosive limit - lower (%):	No data available.		
Vapor pressure:	No data available.		
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.		
Relative density:	1.99		
Solubility(ies)			
Solubility in water:	Practically Insoluble		
Solubility (other):	No data available.		
Partition coefficient (n-octanol/water):	No data available.		
Auto-ignition temperature:	No data available.		
Decomposition temperature:	No data available.		
Viscosity:	No data available.		

10. Stability and reactivity

Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of hazardous reactions:	No data available.	
Conditions to avoid:	Avoid heat or contamination.	
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	



11. Toxicological information		
Information on likely routes of exp Ingestion:	Dosure May be ingested by accident. Ingestion may cause irritation and malaise.	
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	Moderately irritating to skin with prolonged exposure.	
Eye contact:	Eye contact is possible and should be avoided.	
Information on toxicological effe	cts	
Acute toxicity (list all possible	routes of exposure)	
Oral Product:	No data available.	
Dermal Product:	No data available.	
Inhalation Product:	ATEmix: 2.28 mg/l	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study	
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study	
Amorphous silica	in vivo (Rabbit): Experimental result, Key study	

Serious Eye Damage/Eye Irritation Product: No data available.



Titanium dioxide	in vivo (Rabbit, 24 hrs); Not irritating		
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating		
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating		
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Respiratory or Skin Sensitization Product:	on No data available.		
Carcinogenicity Product:	Suspected of causing cancer.		
IARC Monographs on the Evalua	ation of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.		
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified			
Germ Cell Mutagenicity			
In vitro Product:	No data available.		
In vitro Product: In vivo Product:	No data available. No data available.		
In vitro Product: In vivo Product: Reproductive toxicity Product:	No data available. No data available. No data available.		
In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product:	No data available. No data available. No data available. Single Exposure No data available.		
In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product: Specific Target Organ Toxicity - Product:	No data available. No data available. No data available. Single Exposure No data available. Repeated Exposure No data available.		
In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product: Specific Target Organ Toxicity - Product: Aspiration Hazard Product:	No data available. No data available. No data available. Single Exposure No data available. Repeated Exposure No data available.		



12. Ecological information

Ecotoxicity:		
Acute hazards to the aquatic e	nvironment:	
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study	
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	



Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		
TDG:		

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecylDiisodecylphthalate(mixed Is)Diisodecyl



SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Titanium dioxide Aluminum oxide Amorphous silica Zirconium dioxide 500 lbs 500 lbs 500 lbs

500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated guantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide

Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

One or more components in this product are not listed on or exempt from the Inventory.



Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/15/2016
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P COTTON Material: 015227 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B
Unknown toxicity - Health	
Acute toxicity, oral	0.25 %
Acute toxicity, dermal	68.53 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.33 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	8.7 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%
Dioctyl phthalate	117-81-7	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.		
Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effects, acute and delayed			

Orman former

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures				
General Fire Hazards:	No unusual fire or explosion hazards noted.			
Suitable (and unsuitable) extinguishing media				
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.			
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.			
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.			
Special protective equipment and precautions for firefighters				
Special fire fighting procedures:	No data available.			
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.			
6. Accidental release measures	3			
Personal precautions, protective equipment and emergency procedures:	No data available.			
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.			
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.			
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.			
7. Handling and storage				
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.			
Conditions for safe storage, including any incompatibilities:	Store locked up.			

8. Exposure controls/personal protection

Control Parameters



Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)


Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Off-white
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.98
Solubility(ies)	



Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

11. Toxicological information	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Conditions to Avoid:	Avoid heat or contamination.
Possibility of Hazardous Reactions:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Reactivity:	No data available.

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,465.28 mg/kg
Inhalation Product:	No data available.

Repeated dose	e toxicity
Product:	

No data available.



Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritatio Product:	n No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program Dioctyl phthalate	n (NTP) Report on Carcinogens: Reasonably Anticipated to be a Human Carcinogen.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	



Specific Target Organ Toxic Product:	city - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result
Aquatic Invertebrates Product:	No data available.



Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated



15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecylDiisodecylphthalate(mixed Is)100 lbs.

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsAmorphous silica500 lbsZirconium dioxide500 lbsIron oxide500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide Dioctyl phthalate

Dioctyl phthalate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

500 lbs

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.



One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are

not listed on or exempt from the Inventory.

exempt from the Inventory.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

80000050218



	not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P DARK BRONZE Material: 015221 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	1.39 %
Acute toxicity, dermal	28.94 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	100 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	29.5 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Carbon Black	1333-86-4	10 - 30%
Iron oxide	1309-37-1	5 - 10%
Amorphous silica	7631-86-9	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation: Move to fresh air.			
Skin Contact: Wash skin thoroughly with soap and water. Get medical attention symptoms occur.	n if		
Eye contact: Any material that contacts the eye should be washed out immediate water. If easy to do, remove contact lenses. If eye irritation person medical advice/attention.	diately with ists: Get		
Most important symptoms/effects, acute and delayed			
Symptoms: May cause skin and eye irritation.			
Indication of immediate medical attention and special treatment needed			
Treatment: Symptoms may be delayed.			
5. Fire-fighting measures			

General Fire Hazards:	No unusual fire or explosion hazards noted.
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Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	5	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Carbon Black -	TWA	3 mg/m3	US. ACGIH Threshold Limit Values



Inhalable fraction.			(2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000)
			(02 2006)
Iron oxide - Respirable	TWA	5 mg/m3	US. ACGIH Threshold Limit Values
fraction.			(2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000)
			(02 2006)
Amorphous silica	TWA	20 millions	US. OSHA Table Z-3 (29 CFR
		of particles	1910.1000) (2000)
		per cubic	
		foot of air	
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR
			1910.1000) (2000)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Bronze colored
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.2
Solubility(ies)	
Solubility in water:	Practically Insoluble



Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all	possible routes	of exposure)

Oral Product:	No data available.	
Dermal Product:	ATEmix: 3,184.82 mg/kg	
Inhalation Product:	No data available.	
Specified substance(s): Carbon Black	LC 0 (Rat, 4 h): > 10 mg/m3	
Iron oxide	LC 0 (Rat): > 210 mg/m3	



Amorphous silica	LC 50 (Rat, 4 h): > 58.8 mg/l	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritati Product:	on No data available.	
Specified substance(s): Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Respiratory or Skin Sensitizatio Product:	n No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
IARC Monographs on the Evalua Carbon Black	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans.	
IARC Monographs on the Evalua Carbon Black US. National Toxicology Program No carcinogenic com	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans. m (NTP) Report on Carcinogens: ponents identified	
IARC Monographs on the Evalua Carbon Black US. National Toxicology Program No carcinogenic com US. OSHA Specifically Regulate No carcinogenic com	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans. m (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified	
IARC Monographs on the Evaluation Carbon Black US. National Toxicology Program No carcinogenic com US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans. m (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified	
IARC Monographs on the Evaluate Carbon Black US. National Toxicology Program No carcinogenic com US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity In vitro Product:	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans. m (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified	
IARC Monographs on the Evaluate Carbon Black US. National Toxicology Program No carcinogenic com US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product:	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans. m (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified No data available. No data available.	
IARC Monographs on the Evaluation Carbon Black Carbon Black US. National Toxicology Program No carcinogenic com US. OSHA Specifically Regulate No carcinogenic com Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product:	ation of Carcinogenic Risks to Humans: Overall evaluation: Possibly carcinogenic to humans. m (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified No data available. No data available. No data available.	



Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	
Ecotoxicity:	
Acute hazards to the aquatic	environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Specified substance(s): Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.

Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.



Partition Coefficient n-oct Product:	anol / water (log Kow) No data available.
Makility in Sails	No doto ovoilable
Mobility in Soli.	No dala avallable.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity

Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	Threshold Planning Quantity
Carbon Black	500 lbs
Iron oxide	500 lbs
Amorphous silica	500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Carbon Black Iron oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Carbon Black Iron oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Carbon Black Iron oxide

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

One or more components in this product are not listed on or exempt from the Inventory.



Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P DARK GRAY Material: 015131 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and	Category 4
Carcinogenicity	Category 2

Unknown toxicity - Health

Acute toxicity, oral	0.99 %
Acute toxicity, dermal	43.83 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	98.55 %

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	
nown toxicity - Environment	

Unknown toxicity - Environment

Acute hazards to the aquatic	18.21 %
environment	
Chronic hazards to the aquatic	100 %
environment	

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Diisodecyl phthalate	26761-40-0	50 - <100%
Titanium dioxide	13463-67-7	20 - <50%
Carbon Black	1333-86-4	5 - <10%
Iron oxide	1309-37-1	1 - <5%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
* All concentrations are percent	by weight unless ing	predient is a gas. Gas concentrations are in percent by

4. First-aid measures

Ingestion:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.



Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effect	s, acute and delayed		
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical a	ttention and special treatment needed		
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) extingu	lishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment an	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures	\$		
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		



Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Titanium dioxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Iron oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Aluminum oxide - Respirable	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.		particles per	2016)
		cubic foot of	
		air	
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		-	2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		_	2016)
Amorphous silica	TWA	20 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000)
-		particles per	(2000)
		cubic foot of	
		air	
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000)
			(2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	Туре	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)



Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)



Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection: Other:	Use suitable protective gloves if risk of skin contact. Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.



Hygiene measures:

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Dark gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.47
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.



Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of ex Inhalation:	xposure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	May be harmful in contact with skin.	
Eye contact:	Eye contact is possible and should be avoided.	
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.	
Symptoms related to the physical, chemical and toxicological characteristics		

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.



Specified substance(s): Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Carbon Black	LD 50 (Rat): > 8,000 mg/kg
Iron oxide	LD 50 (Rat): > 5,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Dermal Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Diisodecyl phthalate	LD 50 (Rabbit): > 3,160 mg/kg
Amorphous silica	LD 50 (Rabbit): > 2,000 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.

Specified substance(s):



Titanium dioxide	in vivo (Rabbit): Not irritant	Experimental result, Supporting study
Carbon Black	in vivo (Rabbit): Not irritant	Experimental result, Key study
Iron oxide	in vivo (Rabbit): Not irritant	Experimental result, Weight of Evidence study
Aluminum oxide	in vivo (Rabbit): Not irritant	Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Not irritant	Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Titanium dioxide	Rabbit, 24 hrs: Not irritating
Carbon Black	Rabbit, 24 - 72 hrs: Not irritating
Aluminum oxide	Rabbit, 24 hrs: Not irritating
Amorphous silica	Rabbit, 24 hrs: Not irritating
Zirconium dioxide	Rabbit, 24 hrs: Not irritating

Respiratory or Skin Sensitization Product:

No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.

Carbon Black Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	y - Single Exposure No data available.
Specific Target Organ Toxicity Product:	y - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality
Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish



Product:

Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (BCF) Product: No data available.	
Partition Coefficient n-octanol / water (log Kow) Product: No data available.	
Mobility in soil:	No data available.
Other adverse effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

No data available.

TDG:

Not Regulated

CFR / DOT:

Not Regulated



IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.


US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Carbon Black Iron oxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Carbon Black Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Carbon Black Iron oxide Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Titanium dioxide Carbon Black Iron oxide Aluminum oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol Not applicable

VOC:



Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



Australia AICS: Canada DSL Inventory List: EINECS, ELINCS or NLP:

Japan (ENCS) List:

Inventory Status:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	02/20/2019
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P DESERT TAUPE Material: 015112 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Category 4
Category 2
43.55 %
98.13 %
100 %
98.22 %
Category 1
57.07 %
100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	15 - 40%
Iron oxide	1309-37-1	7 - 13%
Carbon Black	1333-86-4	3 - 7%
Aluminum oxide	1344-28-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	



Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.
5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) ex	xtinguishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	S
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.



Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.		
Eye/face protection:	Wear goggles/face shield.		
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.		
Other:	No data available.		
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.		
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.		

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste





Color:	Brown
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.72
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)	
Oral Product:	No data available.
Dermal Product:	No data available.
Inhalation Product:	ATEmix: 2.28 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: No data available.



Specified	substance(s):
Titomiu	مم مائم بنام

Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating

Respiratory or Skin Sensitization Product: No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

- US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Tox Product:	icity - Single Exposure No data available.
Specific Target Organ Tox Product:	icity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.



Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study	
Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study	
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	



Partition Coefficient n-octand Product:	bl / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Iron oxide	500 lbs
Carbon Black	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Iron oxide Carbon Black Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Iron oxide Carbon Black Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Iron oxide Carbon Black Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List		All components in this product are listed on or
		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Janan (ENICS) List		One or more components in this product are
Japan (LNCO) List.		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS:		not listed on or exempt from the Inventory
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory
		the letter of or one of the first fi
Japan ISHL Listing:		One or more components in this product are
-		not listed on or exempt from the Inventory.
· _· · · · · ·		• · · · ·
Japan Pharmacopoeia Listing:		One or more components in this product are
		not instea on or exempt nom the inventory.



16.Other information, including date of preparation or last revision

Revision Date:	09/19/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P DOVER SKY Material: 015138 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and	Category 4
Carcinogenicity	Category 2

Unknown toxicity - Health

Acute toxicity, oral	0.094 %
Acute toxicity, dermal	67.85 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	96.66 %

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	
· · · · – · · ·	

Unknown toxicity - Environment

Acute hazards to the aquatic	8.38 %
environment	
Chronic hazards to the aquatic	100 %
environment	

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Carbon Black	1333-86-4	0.1 - <1%
Iron oxide	1309-37-1	0.1 - <1%
* All concentrations are per	cent by weight unless in	gredient is a gas. Gas concentrations are in percent by v

4. First-aid measures

Ingestion:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.



Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effects	s, acute and delayed		
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical at	tention and special treatment needed		
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters			
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures			
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		



Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910,1000) (02 2006)
Titanium dioxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)



	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
fraction.		_	
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
fraction.		_	
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air
		_	Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Total dust.	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	,
		air	
Iron oxide - Respirable	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.			2016)
	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Iron oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
			2016)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work



			Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection: Other:	Use suitable protective gloves if risk of skin contact. Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.



Hygiene measures:

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Form:PasteColor:GrayOdor:MildOdor threshold:No data available.pH:No data available.
Color:GrayOdor:MildOdor threshold:No data available.pH:No data available.
Odor: Mild Odor threshold: No data available. pH: No data available.
Odor threshold: No data available. pH: No data available.
pH: No data available.
Melting point/freezing point: No data available.
Initial boiling point and boiling range: No data available.
Flash Point:232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate: Slower than Ether
Flammability (solid, gas): No
Upper/lower limit on flammability or explosive limits
Flammability limit - upper (%): No data available.
Flammability limit - lower (%): No data available.
Explosive limit - upper (%): No data available.
Explosive limit - lower (%): No data available.
Vapor pressure:No data available.
Vapor density:Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density: 1.96
Solubility(ies)
Solubility in water: Practically Insoluble
Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.



Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of ex Inhalation:	xposure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	May be harmful in contact with skin.	
Eye contact:	Eye contact is possible and should be avoided.	
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.	
Symptoms related to the physical, chemical and toxicological characteristics		

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.



Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Carbon Black	LD 50 (Rat): > 8,000 mg/kg
Iron oxide	LD 50 (Rat): > 5,000 mg/kg
Dermal Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Diisodecyl phthalate	LD 50 (Rabbit): > 3,160 mg/kg
Amorphous silica	LD 50 (Rabbit): > 2,000 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.

Specified substance(s):



Titanium dioxide	in vivo (Rabbit): Not irritant Experimental result, Supporting stu	dy
Aluminum oxide	in vivo (Rabbit): Not irritant Experimental result, Key study	
Amorphous silica	in vivo (Rabbit): Not irritant Experimental result, Key study	
Carbon Black	in vivo (Rabbit): Not irritant Experimental result, Key study	
Iron oxide	in vivo (Rabbit): Not irritant Experimental result, Weight of Evid	ence study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Titanium dioxide	Rabbit, 24 hrs: Not irritating
Aluminum oxide	Rabbit, 24 hrs: Not irritating
Amorphous silica	Rabbit, 24 hrs: Not irritating
Zirconium dioxide	Rabbit, 24 hrs: Not irritating
Carbon Black	Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization Product:

No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.

Carbon Black Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	y - Single Exposure No data available.
Specific Target Organ Toxicity Product:	y - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish



Product:

Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative potential Bioconcentration Factor (BCF) Product: No data available.		
Partition Coefficient n-octanol / water (log Kow) Product: No data available.		
Mobility in soil:	No data available.	
Other adverse effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		

No data available.

TDG:

Not Regulated

CFR / DOT:

Not Regulated



IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.



US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Titanium dioxide Aluminum oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



Australia AICS: Canada DSL Inventory List:

Japan (ENCS) List:

EINECS, ELINCS or NLP:

Inventory Status:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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16.Other information, including date of preparation or last revision

Revision Date:	02/20/2019
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.


SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P DUSTY ROSE Material: 015199 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neunn	i luzui us

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.28 %
Acute toxicity, dermal	66.77 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.45 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	18.28 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Iron oxide	1309-37-1	5 - 10%
Aluminum oxide	1344-28-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the



			Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties



Appearance	
Physical state:	liquid
Form:	Paste
Color:	Pink
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.95
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	

Information on likely routes of exposure

Ingestion:



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.	
Dermal Product:	ATEmix: 3,412.93 mg/kg	
Inhalation Product:	No data available.	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritation Product: No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product: No data available.		

Product:

Carcinogenicity Product:

Suspected of causing cancer.



IARC Monograp	hs on the Evalu	ation of Carcinogenic Risks to Humans:
Tita	anium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Ca	bon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National To No	xicology Progra carcinogenic cor	am (NTP) Report on Carcinogens: nponents identified
US. OSHA Spec No	ifically Regulate	ed Substances (29 CFR 1910.1001-1050): nponents identified
Germ Cell Muta	genicity	
In vitro Product:		No data available.
In vivo Product:		No data available.
Reproductive to Product:	oxicity	No data available.
Specific Target Product:	Organ Toxicity	- Single Exposure No data available.
Specific Target Product:	Organ Toxicity	- Repeated Exposure No data available.
Aspiration Haza Product:	ırd	No data available.
Other effects:		No data available.
2 Ecological i	oformation	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.



Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication		
Chronic hazards to the aquatic environment:			
Fish Product:	No data available.		
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experiment result	al	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result		
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result		
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR		
Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.		
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.		
Mobility in Soil:	No data available.		
Other Adverse Effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.	10/14	



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Diisodecyl phthalate

Diisodecyl phthalate (mixed Is)



SARA 311/312 Hazardous Chemical

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide Amorphous silica Zirconium dioxide Carbon Black

Threshold Planning Quantity 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs

500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Iron oxide Aluminum oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:



Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.





SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P EGGSHELL CREAM Material: 015146 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

He	ealth Hazards	
	Carcinogenicity	Category 1B
	Toxic to reproduction	Category 1B
Unkno	own toxicity - Health	
	Acute toxicity, oral	0.23 %
	Acute toxicity, dermal	67.74 %
	Acute toxicity, inhalation, vapor	100 %
	Acute toxicity, inhalation, dust or mist	99.36 %
Environ	mental Hazards	
	Acute hazards to the aquatic environment	Category 1
Unkno	own toxicity - Environment	
	Acute hazards to the aquatic environment	11.1 %
	Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%
Dioctyl phthalate	117-81-7	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		

Commutement

Symptoms:	May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	ctinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	

8. Exposure controls/personal protection

Control Parameters



Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Off-white
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.03
Solubility(ies)	



Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Chemical Stability: Material is stable under normal conditions. Possibility of Hazardous Reactions: No data available. Conditions to Available Available stable under normal conditions.
Possibility of Hazardous No data available. Reactions: Audit least available.
Avoid neat or contamination.
Incompatible Materials: Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on li	kely routes of	exposure
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Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.	
Dermal Product:	ATEmix: 3,449.99 mg/kg	
Inhalation Product:	No data available.	

Repeated	dose	toxicity
Product	:	

No data available.



Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritatio Product:	n No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program Dioctyl phthalate	n (NTP) Report on Carcinogens: Reasonably Anticipated to be a Human Carcinogen.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	



Specific Target Organ Toxic Product:	city - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result
Aquatic Invertebrates Product:	No data available.



Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (B Product:	CF) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octai Product:	n ol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated



15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecylDiisodecylphthalate(mixed Is)100 lbs.

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsAmorphous silica500 lbsZirconium dioxide500 lbsIron oxide500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide Dioctyl phthalate

Dioctyl phthalate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

500 lbs

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.



One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are

exempt from the Inventory.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

80000050185



	not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P-GEOGRAPHIC BEIGE Material: 015140 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
ricalti	i lazai us

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.11 %
Acute toxicity, dermal	67.7 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.36 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	10.91 %
environment	100.0/
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Iron oxide	1309-37-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Most important symptoms/effects	s, acute and delayed
Symptoms:	May cause skin and eye irritation.
Indication of immediate medical at	ttention and special treatment needed
Treatment:	Symptoms may be delayed.



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible containment and cleaning material. Collect spillage in containers, seal securely and deliver for up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for



			Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties



Appearance	
Physical state:	liquid
Form:	Paste
Color:	Beige
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.02
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	

Information on likely routes of exposure

Ingestion:



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,431.06 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.

Carcinogenicity Product:

Suspected of causing cancer.



nium dioxide bon Black xicology Progra carcinogenic con ifically Regulate carcinogenic con genicity	Overall evaluation: Possibly carcinogenic to humans. Overall evaluation: Possibly carcinogenic to humans. Im (NTP) Report on Carcinogens: Inponents identified ed Substances (29 CFR 1910.1001-1050): Inponents identified
bon Black xicology Progra carcinogenic con ifically Regulate carcinogenic con genicity	Overall evaluation: Possibly carcinogenic to humans. Im (NTP) Report on Carcinogens: nponents identified ed Substances (29 CFR 1910.1001-1050): nponents identified
xicology Progra carcinogenic con ifically Regulate carcinogenic con genicity	am (NTP) Report on Carcinogens: nponents identified ed Substances (29 CFR 1910.1001-1050): nponents identified
ifically Regulate carcinogenic con genicity	ed Substances (29 CFR 1910.1001-1050): nponents identified
genicity	
	No data available.
	No data available.
oxicity	No data available.
Organ Toxicity	- Single Exposure No data available.
Organ Toxicity	- Repeated Exposure No data available.
rd	No data available.
	No data available.
nformation	
	oxicity Organ Toxicity Organ Toxicity rd

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.


Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication		
Chronic hazards to the aquati	c environment:		
Fish Product:	No data available.		
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experiment result	al	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result		
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result		
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR		
Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.		
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.		
Mobility in Soil:	No data available.		
Other Adverse Effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.	10/14	



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Diisodecyl phthalate

Diisodecyl phthalate (mixed Is)



SARA 311/312 Hazardous Chemical

Chemical Identity Titanium dioxide Aluminum oxide Iron oxide Amorphous silica Zirconium dioxide Carbon Black

Threshold Planning Quantity 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide Iron oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide Iron oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:



Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.





Version: 1.1 Revision Date: 04/14/2021

SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P GREY STONE Material: 015152 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 1A
Toxic to reproduction	Category 1B

Unknown toxicity - Health

Acute toxicity, oral	1.55 %
Acute toxicity, dermal	66.29 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	96.89 %

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	
Chronic hazards to the aquatic	Category 1
environment	

Unknown toxicity - Environment

Acute hazards to the aquatic	9.42 %
environment	
Chronic hazards to the aquatic	9.42 %
environment	



Label Elements

Hazard Symbol:

Signal Word:	Danger
Hazard Statement:	Harmful if inhaled. May cause cancer. May damage the unborn child. Suspected of damaging fertility. Very toxic to aquatic life with long lasting effects.
Precautionary Statements	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Use personal protective equipment as required.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.
(s) not otherwise	None.

Hazard(s) not otherwis classified (HNOC):

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
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Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Diisodecyl phthalate (mixed Is)	68515-49-1	0.25 - <1%
Carbon Black	1333-86-4	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Amorphous silica	7631-86-9	0.1 - <1%
Copper phthalocyanine	147-14-8	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
Personal Protection for First- aid Responders:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Most important symptoms/effect	cts, acute and delayed
Symptoms:	May cause skin and eye irritation.
Hazards:	No data available.
Indication of immediate medica	I attention and special treatment needed
	•
Treatment:	Symptoms may be delayed.
Treatment: 5. Fire-fighting measures	Symptoms may be delayed.
Treatment: 5. Fire-fighting measures General Fire Hazards:	Symptoms may be delayed.
Treatment: 5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting	Symptoms may be delayed. No unusual fire or explosion hazards noted.
Treatment: 5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media:	Symptoms may be delayed. No unusual fire or explosion hazards noted. guishing media Use fire-extinguishing media appropriate for surrounding materials.
Treatment: 5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media:	Symptoms may be delayed. No unusual fire or explosion hazards noted. guishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire.
Treatment: 5. Fire-fighting measures General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media: Specific hazards arising from the chemical:	Symptoms may be delayed. No unusual fire or explosion hazards noted. Juishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed.



Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measure	S
Personal precautions, protective equipment and emergency procedures:	No data available.
Accidental release measures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Handling	
Technical measures (e.g. Local and general ventilation):	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Safe handling advice:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Contact avoidance measures:	No data available.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
Storage	
Safe storage conditions:	Store locked up.
Safe packaging materials:	No data available.
8. Exposure controls/personal	protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source



Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values, as amended (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000), as
Titesian disside Descinde	T14/A	45 million of	amended (02 2006)
fraction	IWA	15 millions of	US. USHA Table Z-3 (29 CFR 1910.1000), as
Hacton.		cubic foot of	amended (05 2010)
		air	
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
			amended (03 2016)
Titanium dioxide - Respirable	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
Titanium dioxide - Total dust		50 millions of	LIS OSHA Table 7-3 (20 CER 1010 1000) as
	1007	particles per	amended (03 2016)
		cubic foot of	
		air	
Aluminum oxide - Respirable	TWA	1 mg/m3	US. ACGIH Threshold Limit Values, as
fraction.	סבו	E	amended (2011)
	PEL	5 mg/m3	US. USHA Table 2-1 Limits for Air Contaminants (29 CER 1910 1000) as
			amended (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000), as
			amended (02 2006)
	IWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
		cubic foot of	amended (05 2010)
		air	
Aluminum oxide - Respirable	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
fraction.		particles per	amended (03 2016)
		cubic foot of	
	T\A/A		US OSHA Table 7.2 (20 CEP 1010 1000) as
	IVVA	5 119/113	amended (03 2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as
			amended (03 2016)
Carbon Black - Inhalable	TWA	3 mg/m3	US. ACGIH Threshold Limit Values, as
Traction.	DEI	3.5 mg/m3	LIS OSHA Table 7.1 Limits for Air
Carbon Black	FLL	5.5 mg/m3	Contaminants (29 CFR 1910, 1000), as
			amended (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values, as
			amended (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as
	PEI	5 mg/m3	LIS OSHA Table 7-1 Limits for Air
		5 mg/m5	Contaminants (29 CFR 1910.1000), as
			amended (02 2006)
Zirconium dioxide -	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
Respirable fraction.		particles per	amended (03 2016)
		CUDIC TOOT OF	
Zirconium dioxide - Total	TWA	50 millions of	US, OSHA Table 7-3 (29 CFR 1910, 1000), as
dust.		particles per	amended (03 2016)
		cubic foot of	
	704	air	
∠irconium dioxide - Respirable fraction	IVVA	5 mg/m3	US. USHA Table Z-3 (29 CFR 1910.1000), as
Zirconium dioxide - Total	TWA	15 ma/m3	LIS OSHA Table 7-3 (29 CER 1910 1000) as
dust.		10 119/110	amended (03 2016)
Amorphous silica	TWA	20 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000), as
		particles per	amended (2000)
		cubic foot of	
	TWA		US OSHA Table 7-3 (29 CER 1910 1000) as
		0.0 mg/m3	amended (2000)
Copper phthalocyanine -	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values, as
Fume as Cu			amended (03 2014)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Diisodecyl phthalate (mixed Is)	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)



Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Zirconium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (01 2020)
Zirconium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
Zirconium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (04 2019)
Zirconium dioxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)
Zirconium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (01 2020)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Copper phthalocyanine - Fume as Cu	TWA	0.2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.97
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of hazardous reactions:	No data available.	



Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of ex Inhalation:	xposure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Symptoms related to the physica	al, chemical and toxicological characteristics
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Information on toxicological effects	

Acute toxicity (list all possible routes of exposure)

Oral
Product:

Not classified for acute toxicity based on available data.



Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Diisodecyl phthalate (mixed Is)	LD 50 (Rat): 64,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Copper phthalocyanine	LD 50 (Rat): > 10,000 mg/kg
Dermal Product:	ATEmix: 3,357.76 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s):	
Titanium dioxide	in vivo (Rabbit): Not irritant , 24 h
Titanium dioxide Aluminum oxide	in vivo (Rabbit): Not irritant , 24 h in vivo (Rabbit): Not irritant , 24 - 72 h
Titanium dioxide Aluminum oxide Diisodecyl phthalate (mixed Is)	in vivo (Rabbit): Not irritant , 24 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 24 - 72 h
Titanium dioxide Aluminum oxide Diisodecyl phthalate (mixed Is) Carbon Black	in vivo (Rabbit): Not irritant , 24 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 1 - 72 h
Titanium dioxide Aluminum oxide Diisodecyl phthalate (mixed Is) Carbon Black Amorphous silica	in vivo (Rabbit): Not irritant , 24 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 1 - 72 h in vivo (Rabbit): Not irritant , 24 h
Titanium dioxide Aluminum oxide Diisodecyl phthalate (mixed Is) Carbon Black Amorphous silica Copper phthalocyanine	in vivo (Rabbit): Not irritant , 24 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 24 - 72 h in vivo (Rabbit): Not irritant , 1 - 72 h in vivo (Rabbit): Not irritant , 24 h in vivo (Rabbit): Not irritant , 24 h

Serious Eye Damage/Eye Irritation Product: N No data available. Specified substance(s):



Titanium dioxide	Rabbit, 24 hrs: Not irritating	
Aluminum oxide	Rabbit, 24 hrs: Not irritating	
Zirconium dioxide	Rabbit, 24 hrs: Not irritating	
Respiratory or Skin Sensitizatio Product:	n No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evalu	ation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Progra Carbon Black	m (NTP) Report on Carcinogens: Known To Be Human Carcinogen.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended: No carcinogenic components identified		
No carcinogenic component	is identified	
Germ Cell Mutagenicity	is identified	
Germ Cell Mutagenicity In vitro Product:	No data available.	
Germ Cell Mutagenicity In vitro Product: In vivo Product:	No data available. No data available.	
Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product:	No data available. No data available. May damage fertility or the unborn child.	
Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product:	No data available. No data available. May damage fertility or the unborn child. • Single Exposure No data available.	
Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product: Specific Target Organ Toxicity - Product:	No data available. No data available. May damage fertility or the unborn child. • Single Exposure No data available. • Repeated Exposure No data available.	
Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product: Specific Target Organ Toxicity - Product: Aspiration Hazard Product:	No data available. No data available. May damage fertility or the unborn child. Single Exposure No data available. Repeated Exposure No data available.	



12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Diisodecyl phthalate (mixed Is)	LC 50 (Oncorhynchus mykiss, 96 h): > 0.62 mg/l Experimental result, Key study
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality
Diisodecyl phthalate (mixed Is)	LC 50 (Daphnia magna, 48 h): > 0.02 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Diisodecyl phthalate (mixed ls)	NOAEL (Daphnia magna): 0.0034 mg/l Experimental result, Key study
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
Specified substance(s):	



Diisodecyl phthalate (mixed Is)	 5.4 % Detected in water. Experimental result, Supporting study 42 % (21 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study 57.9 % Detected in water. Experimental result, Key study 74 % Detected in water. Experimental result, Supporting study 11.6 % Detected in water. Experimental result, Supporting study
BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (Be Product:	CF) No data available.
Specified substance(s): Diisodecyl phthalate (mixed Is)	Eisenia fetida, Terrestrial Experimental result, Key study
Partition Coefficient n-octanol / Product:	water (log Kow) No data available.
Specified substance(s): Diisodecyl phthalate	Log Kow: 10.36
Copper phthalocyanine	Log Kow: 6.60
Mobility in soil:	No data available.
Other adverse effects:	Very toxic to aquatic life with long lasting effects.
13. Disposal considerations	
Disposal methods:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

No data available.

Contaminated Packaging:

14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:



Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity Reproductive toxicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical
<u>Chemical Identity</u>
<u>Threshold Planning Quantity</u>

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

WARNING

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



Cancer and Reproductive Harm - www.P65Warnings.ca.gov



US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Carbon Black

US. Rhode Island RTK

Chemical Identity

Titanium dioxide Aluminum oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)		0 g/l	
VOC Method 310	:	0.00 %	



Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	04/14/2021
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P HARTFORD GREEN Material: 015124 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Category 2
0.78 %
38.07 %
100 %
99.64 %
Category 1
36.54 %
100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Diisodecyl phthalate	26761-40-0	50 - <100%
Titanium dioxide	13463-67-7	5 - <10%
Carbon Black	1333-86-4	1 - <5%
Copper phthalocyanine	147-14-8	1 - <5%
Aluminum oxide	1344-28-1	0.1 - <1%

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
ndiaction of immediate medical attention and anasial treatment needed		

Indication of immediate medical attention and special treatment needed



5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) ex	ctinguishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	3
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters



Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Copper phthalocyanine - Fume as Cu	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Copper phthalocyanine - Dust and mist as Cu	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Green
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.4
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.



Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure		
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.	
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	May be harmful in contact with skin.	
Eye contact:	Eye contact is possible and should be avoided.	

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.		
Dermal Product:	ATEmix: 3,447.58 mg/kg		
Inhalation Product:	No data available.		
Repeated dose toxicity Product:	No data available.		
Skin Corrosion/Irritation Product:	No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study		
Carbon Black	in vivo (Rabbit): Experimental result, Key study		
Copper phthalocyanine	in vivo (Rabbit): Experimental result, Key study		
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study		



Serious Eye Damage/Eye Irritation Product: No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Copper phthalocyanine	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Respiratory or Skin Sensitizatio Product:	n No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.		
Aspiration Hazard Product:	No data available.	



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication
Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.



Mobility in Soil:	No data available.		
Other Adverse Effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		
14. Transport information			

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity Reportable quantity

Diisodecyl phthalate Copper phthalocyanine Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityDiisodecyl phthalate500 lbsTitanium dioxide500 lbsCarbon Black500 lbsCopper phthalocyanine500 lbs

SARA 313 (TRI Reporting)

Aluminum oxide

None present or none present in regulated quantities.

500 lbs

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Carbon Black Copper phthalocyanine

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Carbon Black

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Carbon Black Copper phthalocyanine

US. Rhode Island RTK

Chemical Identity Diisodecyl phthalate

Other Regulations:



Regulatory VOC (less water and exempt solvent): VOC Method 310:	0 g/l 0.00 %	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:		One or more components in this product are not listed on or exempt from the Inventory.
Ontario Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Taiwan Chemical Substance Inventory:		One or more components in this product are



not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	10/14/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.


SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P INDEP. GRAY Material: 015134 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.18 %
Acute toxicity, dermal	65.62 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.38 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	10.83 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Carbon Black	1333-86-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.95
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available. No data available.		
Viscosity:			
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information			

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,401.76 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritatio Product:	ation No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Respiratory or Skin Sensitizatior Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to human	
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated No carcinogenic comp	n (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard		



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	



14. Transport information	
Contaminated Packaging:	No data available.
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
13. Disposal considerations	
Other Adverse Effects:	Very toxic to aquatic organisms.
Mobility in Soil:	No data available.
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity		
Titanium dioxide	500 lbs		
Aluminum oxide	500 lbs		
Carbon Black	500 lbs		
Iron oxide	500 lbs		
Amorphous silica	500 lbs		
Zirconium dioxide	500 lbs		

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List		All components in this product are listed on ar
Canada DSL Inventory List.		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
lanan (ENCS) List		One or more compensate in this product are
Japan (ENCS) List:		not listed on or exempt from the Inventory.
		······
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philipping PICCS		One or more compensate in this product are
Finippines FICCS.		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
New Zealand Inventory of Chemicals.		not listed on or exempt from the Inventory.
		•
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmaconosia Listing		One or more components in this product are
Supart Harmasopoeia Listing.		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P J. CITY PINK Material: 015114 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	34.94 %
Acute toxicity, dermal	97.71 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	97.39 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	65.39 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning	
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Iron oxide	1309-37-1	5 - 10%
Aluminum oxide	1344-28-1	1 - 5%
Carbon Black	1333-86-4	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	



Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) ex	xtinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters			
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures	S		
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.		
7. Handling and storage			
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		



Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste



Color:	Pink
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Pensky-Martens Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.89
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	Moderately irritating to skin with prolonged exposure.	
Eye contact:	Eye contact is possible and should be avoided.	

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)		
Oral Product:	No data available.	
Dermal Product:	No data available.	
Inhalation Product:	ATEmix: 2.28 mg/l	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study	
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study	
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study	
Carbon Black	in vivo (Rabbit): Experimental result, Key study	
Amorphous silica	in vivo (Rabbit): Experimental result, Key study	

Serious Eye Damage/Eye Irritation Product: No data available.



Specified	substance	(s)):
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Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity
Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Tox Product:	icity - Single Exposure No data available.
Specific Target Organ Tox Product:	icity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.



Other effects:

12. Ecological information **Ecotoxicity:** Acute hazards to the aquatic environment: Fish **Product:** No data available. **Aquatic Invertebrates Product:** No data available. Chronic hazards to the aquatic environment: Fish **Product:** No data available. Specified substance(s): LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting Titanium dioxide substance (structural analogue or surrogate), Supporting study Iron oxide NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study Aluminum oxide EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study Carbon Black NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study Aquatic Invertebrates **Product:** No data available. **Toxicity to Aquatic Plants** Product: No data available. Persistence and Degradability **Biodegradation** Product: No data available. **BOD/COD** Ratio **Product:** No data available.

No data available.

Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.



ol / water (log Kow) No data available.
No data available.
Very toxic to aquatic organisms.
Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
No data available.

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity		
Titanium dioxide	500 lbs		
Iron oxide	500 lbs		
Aluminum oxide	500 lbs		
Carbon Black	500 lbs		
Amorphous silica	500 lbs		
Zirconium dioxide	500 lbs		

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Iron oxide Aluminum oxide



US. Rhode Island RTK Chemical Identity Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water and exempt solvent): VOC Method 310:	0 g/l 0.00 %	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	09/19/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P KELLY PINK Material: 015122 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.21 %
Acute toxicity, dermal	68.12 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	96.99 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	14.58 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Iron oxide	1309-37-1	5 - <10%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.



Most important symptoms/effects	s, acute and delayed	
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical at	ttention and special treatment needed	
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	3	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)





Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Pink
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.





Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	20.5
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.



Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,432.91 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation

Proc	duct:

No data available.

Specified substance(s):

Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity Product:

Suspected of causing cancer.



IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Prog No carcinogenic c	ram (NTP) Report on Carcinogens: omponents identified
US. OSHA Specifically Regula No carcinogenic c	ated Substances (29 CFR 1910.1001-1050): omponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicit Product:	y - Single Exposure No data available.
Specific Target Organ Toxicit Product:	y - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.


Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication
Chronic hazards to the aquation	c environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated



CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Disodecyl phthalate

Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Titanium dioxide	500 lbs
Diisodecyl phthalate	500 lbs
Iron oxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.



Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Titanium dioxide

Diisodecyl phthalate Iron oxide Aluminum oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are

One or more components in this product are not listed on or exempt from the Inventory.

not listed on or exempt from the Inventory.

exempt from the Inventory.



China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory.
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Taiwan Chemical Substance Inventory:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	10/14/2016	
Version #:	2.0	
Further Information:	No data available.	
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.	



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P LIGHT BRONZE Material: 015109 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Category 4
Category 2
39.35 %
97.87 %
100 %
97.68 %
Category 1
60.92 %
100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning	
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	30 - 60%
Aluminum oxide	1344-28-1	1 - 5%
Carbon Black	1333-86-4	1 - 5%
Iron oxide	1309-37-1	1 - 5%
Amorphous silica	7631-86-9	0.1 - 1%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	



Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) ex	ctinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters			
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures	8		
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.		
7. Handling and storage			
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		



Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97,



			as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.	
Eye/face protection:	Wear goggles/face shield.	
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.	
Other:	No data available.	
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.	
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.	

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste



Color:	Bronze colored
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosi-	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.78
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of hazardous reactions:	No data available.	
Conditions to avoid:	Avoid heat or contamination.	
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	

11. Toxicological information

Information on likely routes of exposure

Ingestion:

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)		
Oral Product:	No data available.	
Dermal Product:	No data available.	
Inhalation Product:	ATEmix: 2.28 mg/l	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study	
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study	
Carbon Black	in vivo (Rabbit): Experimental result, Key study	
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study	
Amorphous silica	in vivo (Rabbit): Experimental result, Key study	

Serious Eye Damage/Eye Irritation Product: No data available.



Specified	substance	(s)):
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Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity
Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:	No data available.		
In vivo Product:	No data available.		
Reproductive toxicity Product:	No data available.		
Specific Target Organ Toxicity - Single Exposure Product: No data available.			
Specific Target Organ Tox Product:	icity - Repeated Exposure No data available.		
Aspiration Hazard Product:	No data available.		



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study	
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study	
Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.		



Partition Coefficient n-octanol / water (log Kow) Product: No data available.			
Mobility in Soil:	No data available.		
Other Adverse Effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		
14. Transport information			
TDG:			
Not Regulated			
CFR / DOT:			
Not Regulated			
IMDG:			
Not Regulated			

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide Carbon Black Iron oxide

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide

Carbon Black Iron oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Aluminum oxide Carbon Black Iron oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List		All components in this product are listed on or
		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENICS) List		One or more components in this product are
Japan (LNCO) List.		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Kanas Evisting Observice Is Inc. (KEOI)		
Korea Existing Chemicals Inv. (KECI):		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS:		one or more components in this product are
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not instea on or exempt nom the inventory.
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are
		not instea on or exempt from the inventory.



16.Other information, including date of preparation or last revision

Revision Date:	09/16/2016	
Version #:	2.0	
Further Information:	No data available.	
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.	



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P LT. CREAM Material: 015148 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B
Unknown toxicity - Health	
Acute toxicity, oral	0.21 %
Acute toxicity, dermal	67.84 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.36 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	10.95 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*	
Titanium dioxide	13463-67-7	40 - 70%	
Aluminum oxide	1344-28-1	3 - 7%	
Zirconium dioxide	1314-23-4	0.5 - 1.5%	
Amorphous silica	7631-86-9	0.5 - 1.5%	
Dioctyl phthalate	117-81-7	0.1 - 1%	
* All severe that have a severe the severe that we have the severe that have a severe that have a severe the s			

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and anasial treatment needed		

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures General Fire Hazards: No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions	US. OSHA Table Z-3 (29 CFR
		of particles	1910.1000) (2000)
		per cubic	
	IWA	0.0 mg/m3	1910.1000) (2000)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Off-white
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.03
Solubility(ies)	



Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Chemical Stability: Material is stable under normal conditions. Possibility of Hazardous Reactions: No data available. Conditions to Available Available stable under normal conditions.
Possibility of Hazardous No data available. Reactions: Audit least available.
Avoid neat or contamination.
Incompatible Materials: Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely	y routes of exposure
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Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,452.22 mg/kg
Inhalation Product:	No data available.

Repeated dose	e toxicity
Product:	

No data available.



Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritati Product:	on No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitizatio Product:	n No data available.	
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: Dioctyl phthalate Reasonably Anticipated to be a Human Carcinogen.		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Repeated ExposureProduct:No data available.		



Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.



Persistence and Degradability

Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
10 D'	
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
13. Disposal considerations Disposal instructions: Contaminated Packaging:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information TDG:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information TDG: Not Regulated	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information TDG: Not Regulated CFR / DOT:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information TDG: Not Regulated CFR / DOT: Not Regulated	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information TDG: Not Regulated CFR / DOT: Not Regulated IMDG:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.
13. Disposal considerations Disposal instructions: Contaminated Packaging: 14. Transport information TDG: Not Regulated CFR / DOT: Not Regulated IMDG: Not Regulated	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. No data available.



US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. E))
None present or none present in regulated guantities.	

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification Chemical Identity Diisodecyl phthalate

Disodecyl phthalate (mixed ls) Dioctyl phthalate 100 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Zirconium dioxide	500 lbs
Amorphous silica	500 lbs
Dioctyl phthalate	500 lbs

SARA 313 (TRI Reporting)

<u>Chemical Identity</u> Aluminum oxide Dioctyl phthalate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide



US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.



New Zealand Inventory of Chemicals:One or more components in this product are
not listed on or exempt from the Inventory.Japan ISHL Listing:One or more components in this product are
not listed on or exempt from the Inventory.Japan Pharmacopoeia Listing:One or more components in this product are
not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P LIMESTONE Material: 015105 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and	Category 4
Carcinogenicity	Category 2

Unknown toxicity - Health

Acute toxicity, oral	0.057 %
Acute toxicity, dermal	70.4 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust	96.55 %
or mist	

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	

Unknown toxicity - Environment

Acute hazards to the aquatic	8.85 %
environment	
Chronic hazards to the aquatic	100 %
environment	

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Zirconium dioxide	1314-23-4	0.1 - <1%
Amorphous silica	7631-86-9	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Inhalation:

Move to fresh air.



Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.					
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.					
Most important symptoms/effects, acute and delayed						
Symptoms:	May cause skin and eye irritation.					
Indication of immediate medical attention and special treatment needed						
Treatment:	Symptoms may be delayed.					
5. Fire-fighting measures						
General Fire Hazards:	No unusual fire or explosion hazards noted.					
Suitable (and unsuitable) extinguishing media						
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.					
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.					
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.					
Special protective equipment an	d precautions for firefighters					
Special fire fighting procedures:	No data available.					
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.					
6. Accidental release measures						
Personal precautions, protective equipment and emergency procedures:	No data available.					
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.					
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.					
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.					



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
The share districts. Description			Contaminants (29 CFR 1910.1000) (02 2006)
litanium dioxide - Respirable	IWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.		particles per	2016)
		air	
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Respirable	TWA	5 mg/m3	US_OSHA Table 7-3 (29 CER 1910 1000) (03
fraction.	10070	0 119/110	2016)
Titanium dioxide - Total dust.	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
		_	Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Aluminum oxide - Respirable	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.		particles per	2016)
		cubic foot of	
		air	
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		45 4 9	
Aluminum oxide - Total dust.	IWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Zirconium dioxide - as Zr	STEL	10 ma/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
		J	Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000)
		particles per	(2000)
		cubic foot of	
		air	
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000)
			(2000)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)


Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explo	sive limits



Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.9
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscositv:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure
In high concentrations, vapors, fumes or mists may irritate nose, throat and
mucus membranes.Skin Contact:May be harmful in contact with skin.Eye contact:Eye contact is possible and should be avoided.Ingestion:May be ingested by accident. Ingestion may cause irritation and malaise.Symptoms related to the physical characteristicsNo data available.Skin Contact:No data available.



Eye contact:	No data available.
Ingestion:	No data available.
Information on toxicological effe	cts
Acute toxicity (list all possible	routes of exposure)
Oral Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg
Dermal Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Diisodecyl phthalate	LD 50 (Rabbit): > 3,160 mg/kg
Amorphous silica	LD 50 (Rabbit): > 2,000 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
openieu substance(s).	



Titanium dioxide	in vivo (Rabbit): Not irritant Experimental result, Supporting study	
Aluminum oxide	in vivo (Rabbit): Not irritant Experimental result, Key study	
Amorphous silica	in vivo (Rabbit): Not irritant Experimental result, Key study	
Serious Eye Damage/Eye Irritatio Product: Specified substance(s):	on No data available.	
Titanium dioxide	Rabbit, 24 hrs: Not irritating	
Aluminum oxide	Rabbit, 24 hrs: Not irritating	
Zirconium dioxide	Rabbit, 24 hrs: Not irritating	
Amorphous silica	Rabbit, 24 hrs: Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	



Specific Target Organ T Product:	oxicity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality	
Chronic hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	



BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (B Product:	CF) No data available.
Partition Coefficient n-octanol / Product:	water (log Kow) No data available.
Mobility in soil:	No data available.
Other adverse effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	
15. Regulatory information	-

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.



CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	10000 lbs
Diisodecyl phthalate	10000 lbs
Aluminum oxide	10000 lbs
Zirconium dioxide	10000 lbs
Amorphous silica	10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

WARNING

US State Regulations

US. California Proposition 65



Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide



US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Titanium dioxide Aluminum oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol Not applicable

VOC:

Regulatory VOC (less water and	:	0 g/l
exempt solvent)		
VOC Method 310	:	0.00 %



Australia AICS: Canada DSL Inventory List: EINECS, ELINCS or NLP:

Japan (ENCS) List:

Inventory Status:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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16.Other information, including date of preparation or last revision

Revision Date:	02/20/2019
Version #:	2.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MANOR WHITE Material: 015228 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neunn	i luzui us

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.1 %
Acute toxicity, dermal	67.37 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.38 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	12.02 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingention	Call a DOISON CENTER/dector/ ////	
ingestion:	Call a POISON CENTER/doctor//II you leel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.95
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.	
Viscosity:	No data available.	
10. Stability and reactivity		
Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of Hazardous Reactions:	No data available.	
Conditions to Avoid:	Avoid heat or contamination.	
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	
11. Toxicological information	 I	

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,426.76 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



S

Serious Eye Damage/Eye Irritatio Product:	n No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating		
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating		
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating		
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Respiratory or Skin Sensitization Product:	No data available.		
Carcinogenicity Product:	Suspected of causing cancer.		
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.		
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.		
US. National Toxicology Program No carcinogenic comp	US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified			
Germ Cell Mutagenicity			
In vitro Product:	No data available.		
In vivo Product:	No data available.		
Reproductive toxicity Product:	No data available.		
Specific Target Organ Toxicity - Product:	Single Exposure No data available.		
Specific Target Organ Toxicity -	Repeated Exposure		

No data available.

Aspiration Hazard

Product:



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquation	c environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



Mobility in Soil: Other Adverse Effects: 13. Disposal considerations Disposal instructions:	No data available. Very toxic to aquatic organisms. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product
Mobility in Soil: Other Adverse Effects: 13. Disposal considerations	No data available. Very toxic to aquatic organisms.
Mobility in Soil: Other Adverse Effects:	No data available. Very toxic to aquatic organisms.
Mobility in Soil:	No data available.
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	<u>Threshold</u>
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Iron oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Carbon Black	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Planning Quantity

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Conodo DSL Inventory Liet:		All components in this product are listed on ar
Canada DSL Inventory List.		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENICS) List		One or more compensate in this product are
Japan (ENCS) List.		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not instea on or exempt from the inventory.
Japan Pharmacopoeia Listina:		One or more components in this product are
		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MEDIUM GRAY Material: 015132 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neunn	i luzui us

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.4 %
Acute toxicity, dermal	57.59 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.48 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	11.71 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Carbon Black	1333-86-4	3 - 7%
Aluminum oxide	1344-28-1	1 - 5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		



General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment an	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures			
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.		
7. Handling and storage			
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		
Conditions for safe storage, including any incompatibilities:	Store locked up.		

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.71
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.		
Viscosity:	No data available.		
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information	 I		

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,319.6 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritati Product:	on No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Respiratory or Skin Sensitizatio Product:	n No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
 US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified 		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Single Exposure Product: No data available.		
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard		

No data available.

Product:



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.	



Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information		

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Carbon Black	500 lbs
Aluminum oxide	500 lbs
Zirconium dioxide	500 lbs
Amorphous silica	500 lbs

SARA 313 (TRI Reporting) Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Carbon Black Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Carbon Black Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Carbon Black Aluminum oxide



Chemical Identity Aluminum oxide Op/I Other Regulations: 0 g/I and exempt solvent): VOC Method 310: 0.00 % Inventory Status: One or more components in this product are not listed on or exempt from the Inventory. Australia AICS: One or more components in this product are not listed on or exempt from the Inventory. Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory. EINECS, ELINCS or NLP: One or more components in this product are not listed on or exempt from the Inventory. Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory. China Inv. Existing Chemical Substances: One or more components in this product are not listed on or exempt from the Inventory. Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory. Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory. Philippines PICCS: One or more components in this product are not listed on or exempt from the Inventory. US TSCA Inventory: All components in this product are not listed on or exempt from the Inventory. Iww Zealand Inventory of Chemicals: One or more components in this product are not listed on or exempt from the Inventory. Iww Zealand Inventory	US. Rhode Island RTK		
Disodecyl phthalate Aluminum oxide Other Regulatory VOC (less water and exempt solven): VOC Method 310: 0 g/l 0.00 % Inventory Status: Australia AICS: One or more components in this product are not listed on or exempt from the Inventory. Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory. EINECS, ELINCS or NLP: One or more components in this product are not listed on or exempt from the Inventory. Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory. China Inv. Existing Chemical Substances: One or more components in this product are not listed on or exempt from the Inventory. Korea Existing Chemicals Inv. (KECI): One or more components in this product are not listed on or exempt from the Inventory. Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory. Vocada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory. Philippines PICCS: One or more components in this product are not listed on or exempt from the Inventory. US TSCA Inventory: All components in this product are not listed on or exempt from the Inventory. Japan ISHL Listing: One or more components in this product are not listed on or exempt from the Inventory. Japan Pharmacopoeia Listing: One or mo	Chemical Identity		
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16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MELON Material: 015229 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	ards

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.46 %
Acute toxicity, dermal	66.29 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.34 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	8.72 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		



General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) e	xtinguishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measure	s
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits



Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Orange
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	re limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.94
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.





Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	
11. Toxicological information		
Information on likely routes of exposure		

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.		
Dermal Product:	ATEmix: 3,407.82 mg/kg		
Inhalation Product:	No data available.		
Repeated dose toxicity Product:	No data available.		
Skin Corrosion/Irritation Product:	No data available.		
Serious Eye Damage/Eye Irritation Product: No data available.			
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating		
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating		
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Respiratory or Skin Sensitization			

No data available.



Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalu	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Progra No carcinogenic con	nm (NTP) Report on Carcinogens: nponents identified
US. OSHA Specifically Regulate No carcinogenic con	ed Substances (29 CFR 1910.1001-1050): nponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	
Ecotoxicity:	
Acute hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality

Aquatic Invertebrates



Product:	No data available.		
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication		
Chronic hazards to the aquation	c environment:		
Fish Product:	No data available.		
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result		
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result		
Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.			
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.		
Mobility in Soil:	No data available.		
Other Adverse Effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecyl phthalateDiisodecylphthalate(mixed Is)Diisodecyl

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsAmorphous silica500 lbsZirconium dioxide500 lbs

SARA 313 (TRI Reporting) Chemical Identity

Aluminum oxide



One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are

One or more components in this product are

One or more components in this product are not listed on or exempt from the Inventory.

not listed on or exempt from the Inventory.

not listed on or exempt from the Inventory.

exempt from the Inventory.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide

Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate

Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:



Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MILE GRAY Material: 015133 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	ards

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.28 %
Acute toxicity, dermal	60.23 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.52 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	17.6 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	1 - 5%
Carbon Black	1333-86-4	1 - 5%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	323 °C 613 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.79
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	 I

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,344.3 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritatio Product:	on No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitizatior Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated No carcinogenic comp	n (NTP) Report on Carcinogens: ponents identified d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard	



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	



Bioaccumulative Potential Bioconcentration Factor (BC	F)
Product:	No data available.
Partition Coefficient n-octand Product:	bl / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity		
Titanium dioxide	500 lbs		
Aluminum oxide	500 lbs		
Carbon Black	500 lbs		
Iron oxide	500 lbs		
Amorphous silica	500 lbs		
Zirconium dioxide	500 lbs		

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black



US. Pennsylvania RTK - Hazardous Substances		
Chemical Identity		
Titanium dioxide		
Diisodecyl phthalate		
Aluminum oxide		
Carbon Black		
US. Rhode Island RTK		
Chemical Identity		
Disodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent):	0.00.9/	
VOC Method 310:	0.00 %	
Inventory Status:		One er mere compensate in this product are
Australia AICS:		one or more components in this product are
		not instea on or exempt norm the inventory.
Canada DSL Inventory List:		All components in this product are listed on or
Canada DSE Inventory List.		exempt from the Inventory.
FINECS, FLINCS or NLP		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are
		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
-		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
		-
Philippines PICCS:		One or more components in this product are
		not listed on or exempt from the inventory.
		All components in this product are listed on or
US ISCA Inventory.		All components in this product are listed on of
		exemptition the inventory.
New Zealand Inventory of Chemicals		One or more components in this product are
		not listed on or exempt from the Inventory
Japan ISHL Listing		One or more components in this product are
		not listed on or exempt from the Inventory.



Japan Pharmacopoeia Listing:

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MINT Material: 015230 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B
Unknown toxicity - Health	
Acute toxicity, oral	0.22 %
Acute toxicity, dermal	68.47 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.32 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	7.94 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Dioctyl phthalate	117-81-7	0.1 - 1%
* All	In a second set of a second second second second	and the state of t

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	

Indication of immediate medical attention and special treatment needed



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Green
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.98
Solubility(ies)	



Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Chemical Stability:Material is stable under normal conditions.Possibility of Hazardous Reactions:No data available.Conditions to Avoid:Avoid heat or contamination.Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous DecompositionThermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Reactivity:	No data available.
Possibility of Hazardous Reactions:No data available.Conditions to Avoid:Avoid heat or contamination.Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Chemical Stability:	Material is stable under normal conditions.
Conditions to Avoid:Avoid heat or contamination.Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Possibility of Hazardous Reactions:	No data available.
Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Conditions to Avoid:	Avoid heat or contamination.
Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
	Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely	y routes of exposure
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Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,470.81 mg/kg
Inhalation Product:	No data available.

Repeated dose toxicity	
Product:	

No data available.



Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritatio Product:	on No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	n No data available.	
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.	
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: Dioctyl phthalate Reasonably Anticipated to be a Human Carcinogen.		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Single Exposure Product: No data available.		
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	



Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.



Persistence and Degradability

Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	


US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity	
Dioctyl phthalate	100 lbs.	

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecyl phthalateDiisodecylphthalate(mixed Is)100 lbs.Dioctyl phthalate100 lbs.Phthalocyanine greenCopper phthalocyanine

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsZirconium dioxide500 lbsAmorphous silica500 lbsDioctyl phthalate500 lbs

SARA 313 (TRI Reporting)

<u>Chemical Identity</u> Aluminum oxide Dioctyl phthalate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.



One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are

not listed on or exempt from the Inventory.

exempt from the Inventory.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

80000050222



	not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MOONLIGHT Material: 015250 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.074 %
Acute toxicity, dermal	68.78 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.31 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	7.52 %
environment	
Chronic hazards to the aquatic	100 %

Label Elements

Hazard Symbol:

environment



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.		
Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effects, acute and delayed			
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical attention and special treatment needed			
Treatment:	Symptoms may be delayed.		
5. Fire-fighting measures			



General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) e	xtinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment an	d precautions for firefighters		
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
6. Accidental release measures			
Personal precautions, protective equipment and emergency procedures:	No data available.		
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.		
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.		
7. Handling and storage			
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.		
Conditions for safe storage, including any incompatibilities:	Store locked up.		

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Off-white
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.98
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature: No data available.				
Viscosity:	No data available.			
10. Stability and reactivity				
Reactivity:	No data available.			
Chemical Stability:	Material is stable under normal conditions.			
Possibility of Hazardous Reactions:	No data available.			
Conditions to Avoid:	Avoid heat or contamination.			
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).			
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.			
11. Toxicological information	 I			

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,447.62 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



Serious Eye Damage/Eye Irritat Product:	ion No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitizatio Product:	on No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalu	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Progra No carcinogenic con US. OSHA Specifically Regulate No carcinogenic con	am (NTP) Report on Carcinogens: nponents identified ed Substances (29 CFR 1910.1001-1050): nponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.



Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information		

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity		
Titanium dioxide	500 lbs		
Aluminum oxide	500 lbs		
Amorphous silica	500 lbs		
Zirconium dioxide	500 lbs		
Carbon Black	500 lbs		

SARA 313 (TRI Reporting) Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:



Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances	:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.



Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P MOUNTAIN FOG Material: 015136 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.11 %
Acute toxicity, dermal	66.91 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.34 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	8.18 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%
Iron oxide	1309-37-1	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures		
Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		

Treatment: Symptoms may be delayed.



5. Fire-fighting measures General Fire Hazards: No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.99
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	 I

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,424.49 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



S

Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic comp	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulated No carcinogenic comp	Substances (29 CFR 1910.1001-1050):
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - S Product:	Single Exposure No data available.
Specific Target Organ Toxicity -	Repeated Exposure

No data available.

Aspiration Hazard

Product:



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



14. Transport information	
Contaminated Packaging:	No data available.
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
13. Disposal considerations	
Other Adverse Effects:	Very toxic to aquatic organisms.
Mobility in Soil:	No data available.
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsAmorphous silica500 lbsZirconium dioxide500 lbsCarbon Black500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Iron oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

500 lbs

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent): VOC Method 310:	0.00 %	
	0.00 /0	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or
		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory
Japan (ENCS) List:		One or more components in this product are
		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P NATURAL CLAY Material: 015156 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
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Carcinogenicity	Category 2	
Unknown toxicity - Health		
Acute toxicity, oral	0.19 %	
Acute toxicity, dermal	64.29 %	
Acute toxicity, inhalation, vapor	100 %	
Acute toxicity, inhalation, dust or mist	99.45 %	
Environmental Hazards		
Acute hazards to the aquatic environment	Category 1	
Unknown toxicity - Environment		
Acute hazards to the aquatic environment	15.35 %	
Chronic hazards to the aquatic environment	100 %	

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	1 - 5%
Iron oxide	1309-37-1	1 - 5%
Carbon Black	1333-86-4	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures General Fire Hazards: No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for



			Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties



Appearance	
Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.85
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	

Information on likely routes of exposure


Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,386.44 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization	

Product: No data available.

Carcinogenicity Product:

Suspected of causing cancer.



Titaniur Carbon US. National Toxico No carc US. OSHA Specifica No carc Germ Cell Mutageni In vitro Product: In vivo Product: Reproductive toxici Product:	n dioxide Ov Black Ov Nogy Program (N inogenic compone ally Regulated Su inogenic compone icity	rerall evaluation: Possibly carcinogenic to humans. rerall evaluation: Possibly carcinogenic to humans. (TP) Report on Carcinogens: ents identified (Ibstances (29 CFR 1910.1001-1050): ents identified
Carbon US. National Toxico No carc US. OSHA Specifica No carc Germ Cell Mutageni In vitro Product: In vivo Product: Reproductive toxici Product:	Black Ov Plogy Program (N inogenic compone ally Regulated Su inogenic compone icity	rerall evaluation: Possibly carcinogenic to humans. ITP) Report on Carcinogens: ents identified Ibstances (29 CFR 1910.1001-1050): ents identified
US. National Toxico No carc US. OSHA Specifica No carc Germ Cell Mutageni In vitro Product: In vivo Product: Reproductive toxici Product:	ology Program (N inogenic compone ally Regulated Su inogenic compone icity	ITP) Report on Carcinogens: ents identified Ibstances (29 CFR 1910.1001-1050): ents identified
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Germ Cell Mutageni In vitro Product: In vivo Product: Reproductive toxici Product:	icity	
In vitro Product: In vivo Product: Reproductive toxici Product:		
In vivo Product: Reproductive toxici Product:	No	data available.
Reproductive toxici Product:	No	data available.
	ty No	data available.
Specific Target Org Product:	an Toxicity - Sin g No	gle Exposure data available.
Specific Target Org Product:	an Toxicity - Rep No	eated Exposure data available.
Aspiration Hazard Product:	No	data available.
Other effects:	No	data available.
12. Ecological infor	mation	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.



Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquati	c environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experiment result	al
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	10/14



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Diisodecyl phthalate

Diisodecyl phthalate (mixed Is)



SARA 311/312 Hazardous Chemical Chemical Identity Threshold Planning Quantity

Titanium dioxide Aluminum oxide Iron oxide Carbon Black Amorphous silica Zirconium dioxide

500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide Iron oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide Iron oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:



Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.





SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P NATURAL WHITE Material: 015135 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neunn	i luzui us

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.086 %
Acute toxicity, dermal	67.95 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.33 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	8.12 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
ndication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures General Fire Hazards: No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.02
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.		
Viscosity:	No data available.		
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information			

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,437.01 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



S

Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated No carcinogenic comp	n (NTP) Report on Carcinogens: ponents identified I Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - S Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Specified substance(s): Titanium dioxideLC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l MortalitAquatic Invertebrates Product:No data available.Specified substance(s): Titanium dioxideEC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l IntoxicationChronic hazards to the aquatic environment:Fish Product:Fish Product:No data available.Specified substance(s): Titanium dioxideLC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental resultAluminum oxideNOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result Iron oxideIron oxideLOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result No data available.Toxicity to Aquatic Plants Product:No data available.Biodegradation Product:No data available.Biodegradation Product:No data available.Biodegradation Product:No data available.	Fish Product:	No data available.
Aquatic Invertebrates Product:No data available.Specified substance(s): Titanium dioxideEC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l IntoxicationChronic hazards to the aquatic Product:No data available.Fish 	Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Specified substance(s): Titanium dioxideEC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l IntoxicationChronic hazards to the aquateenvironment:Fish Product:No data available.Specified substance(s): Titanium dioxideLC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental 	Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquatic environment: Fish No data available. Specified substance(s): LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result Aluminum oxide NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result Iron oxide LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result Iron oxide NOAEL (Salmo sp., 30 d): 17 mg/l QSAR Aquatic Invertebrates No data available. Product: No data available. Biodegradation No data available. Product: No data available. BOD/COD Ratio No data available.	Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Fish Product:No data available.Specified substance(s): Titanium dioxideLC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental resultAluminum oxideNOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental resultIron oxideLOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental resultIron oxideNOAEL (Salmo sp., 30 d): 17 mg/l QSARAquatic Invertebrates Product:No data available.Product:No data available.Presistence and DegradabilityNo data available.Biodegradation Product:No data available.BOD/COD Ratio Product:No data available.	Chronic hazards to the aquation	environment:
Specified substance(s): Titanium dioxideLC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental resultAluminum oxideNOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental resultIron oxideLOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental resultIron oxideLOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental resultCarbon BlackNOAEL (Salmo sp., 30 d): 17 mg/l QSARAquatic Invertebrates Product:No data available.Toxicity to Aquatic Plants Product:No data available.Biodegradation Product:No data available.BOD/COD Ratio Product:No data available.	Fish Product:	No data available.
Aluminum oxideNOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental resultIron oxideLOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental resultCarbon BlackNOAEL (Salmo sp., 30 d): 17 mg/l QSARAquatic Invertebrates Product:No data available.Toxicity to Aquatic Plants Product:No data available.Persistence and Degradability Product:No data available.Biodegradation 	Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Iron oxideLOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental resultCarbon BlackNOAEL (Salmo sp., 30 d): 17 mg/l QSARAquatic Invertebrates Product:No data available.Toxicity to Aquatic Plants Product:No data available.Persistence and DegradabilityNo data available.Biodegradation Product:No data available.BOD/COD Ratio 	Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Carbon BlackNOAEL (Salmo sp., 30 d): 17 mg/l QSARAquatic Invertebrates Product:No data available.Toxicity to Aquatic Plants Product:No data available.Persistence and DegradabilityNo data available.Biodegradation Product:No data available.BOD/COD Ratio Product:No data available.	Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aquatic Invertebrates Product:No data available.Toxicity to Aquatic Plants Product:No data available.Persistence and DegradabilityNo data available.Biodegradation Product:No data available.BOD/COD Ratio Product:No data available.	Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Toxicity to Aquatic Plants Product:No data available.Persistence and DegradabilityNo data available.Biodegradation Product:No data available.BOD/COD Ratio Product:No data available.	Aquatic Invertebrates Product:	No data available.
Biodegradation Product: No data available. BOD/COD Ratio Product: No data available.	Toxicity to Aquatic Plants Product:	No data available.
Biodegradation Product: No data available. BOD/COD Ratio Product: No data available.	Persistence and Degradability	
BOD/COD Ratio Product: No data available.	Biodegradation Product:	No data available.
	BOD/COD Ratio Product:	No data available.



TDG:			
14. Transport information			
Contaminated Packaging:	No data available.		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
13. Disposal considerations			
Other Adverse Effects:	Very toxic to aquatic organisms.		
Mobility in Soil:	No data available.		
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.		
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.		

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Iron oxide	500 lbs
Carbon Black	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Conodo DSL Inventory Liet:		All components in this product are listed on ar
Canada DSL Inventory List.		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan (ENICS) List		One or more compensate in this product are
Japan (ENCS) List.		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philippines PICCS		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
·····		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not instea on or exempt from the inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P NAVY BLUE Material: 015128 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	1 %
Acute toxicity, dermal	43.37 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	98.34 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	21.05 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Diisodecyl phthalate	26761-40-0	25 - <50%
Titanium dioxide	13463-67-7	20 - <50%
Iron oxide	1309-37-1	5 - <10%
Copper phthalocyanine	147-14-8	5 - <10%
Carbon Black	1333-86-4	1 - <5%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
* All concentrations are per	cent by weight unless in	gredient is a gas. Gas concentrations are in percent by

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.



Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical a	ttention and special treatment needed	
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	ctinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting No data available. procedures: Image: Comparison of the second seco		
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	5	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Copper phthalocyanine - Fume as Cu	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Copper phthalocyanine - Dust and mist as Cu	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)



PEL	5 mg/m3 US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
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Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.



9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Blue
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explo	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.49
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.



11. Toxicological information

Information on likely routes of exp Ingestion:	Dosure May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Information on toxicological effe	cts
Acute toxicity (list all possible	routes of exposure)
Oral Product:	No data available.
Dermal Product:	ATEmix: 3,720.91 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Copper phthalocyanine	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation



Product:	No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating		
Copper phthalocyanine	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating		
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating		
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Respiratory or Skin Sensitization Product:	No data available.		
Carcinogenicity Product:	Suspected of causing cancer.		
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.		
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.		
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified			
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified			
Germ Cell Mutagenicity			
In vitro Product:	No data available.		
In vivo Product:	No data available.		
Reproductive toxicity Product:	No data available.		
Specific Target Organ Toxicity - Single Exposure Product: No data available.			
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.			



Aspiration Hazard
Product:

No data available.

Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication
Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquation	environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
	11/1 E



Partition Coefficient n-octa Product:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	
15. Regulatory information	

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Copper phthalocyanine Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Diisodecyl phthalate	500 lbs
Titanium dioxide	500 lbs
Iron oxide	500 lbs
Copper phthalocyanine	500 lbs
Carbon Black	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting) Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Iron oxide Copper phthalocyanine Carbon Black Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Iron oxide Carbon Black Aluminum oxide



US. Pennsylvania RTK - Hazardous Substances		
<u>Chemical Identity</u> Diisodecyl phthalate Titanium dioxide Iron oxide Copper phthalocyanine Carbon Black Aluminum oxide		
US. Rhode Island RTK Chemical Identity Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water 0 g/l		
VOC Method 310:	0.00 %	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.



Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory.
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Taiwan Chemical Substance Inventory:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	10/14/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P OFF WHITE Material: 015103 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Acute toxicity (Inhalation - dust and C mist)	Category 4	
Carcinogenicity C	Category 2	
Unknown toxicity - Health		
Acute toxicity, oral 29	9.9 %	
Acute toxicity, dermal 9	7.45 %	
Acute toxicity, inhalation, vapor 1	00 %	
Acute toxicity, inhalation, dust or mist 9	6.09 %	
Environmental Hazards		
Acute hazards to the aquatic C environment	Category 1	
Unknown toxicity - Environment		
Acute hazards to the aquatic 70 environment	0.2 %	
Chronic hazards to the aquatic 1 environment	00 %	

Label Elements

Hazard Symbol:




Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%
Iron oxide	1309-37-1	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	



Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	ctinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	8	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	



Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:

Use personal protective equipment as required.



Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance **Physical state:** liquid Form: Paste Off-white Color: Odor: Mild Odor threshold: No data available. pH: No data available. Melting point/freezing point: No data available. Initial boiling point and boiling range: No data available. Flash Point: 232 °C 450 °F(Setaflash Closed Cup) **Evaporation rate:** Slower than Ether Flammability (solid, gas): No Upper/lower limit on flammability or explosive limits Flammability limit - upper (%): No data available. Flammability limit - lower (%): No data available. Explosive limit - upper (%): No data available. Explosive limit - lower (%): No data available. Vapor pressure: No data available. Vapor density: Vapors are heavier than air and may travel along the floor and in the bottom of containers. **Relative density:** 1.56 Solubility(ies) Solubility in water: Practically Insoluble Solubility (other): No data available. Partition coefficient (n-octanol/water): No data available. Auto-ignition temperature: No data available. No data available. **Decomposition temperature:** Viscosity: No data available.

10. Stability and reactivity

Reactivity:

No data available.



Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	No data available.
Inhalation Product:	ATEmix: 2.28 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study



Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

- US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Chronic hazards to the aquation	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study	
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study	
Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result,	



	Supporting study
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:



Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalate

Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbs

Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Carbon Black	500 lbs
Iron oxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.



	US.	New	Jersey	Worker	and (Community	Rig	ght-to-Know Ac	t
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Chemical Identity Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.



Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/16/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P PARCHMENT Material: 015268 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B
Unknown toxicity - Health	
Acute toxicity, oral	0.22 %
Acute toxicity, dermal	68.9 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.32 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	7.93 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Iron oxide	1309-37-1	0.1 - 1%
Dioctyl phthalate	117-81-7	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Most important symptoms/effects	s, acute and delayed

O must a market and the second s

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.



5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	ctinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	

8. Exposure controls/personal protection

Control Parameters



Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Pink
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.99
Solubility(ies)	



Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Chemical Stability:Material is stable under normal conditions.Possibility of Hazardous Reactions:No data available.Conditions to Avoid:Avoid heat or contamination.Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous DecompositionThermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Reactivity:	No data available.
Possibility of Hazardous Reactions:No data available.Conditions to Avoid:Avoid heat or contamination.Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Chemical Stability:	Material is stable under normal conditions.
Conditions to Avoid:Avoid heat or contamination.Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Possibility of Hazardous Reactions:	No data available.
Incompatible Materials:Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Conditions to Avoid:	Avoid heat or contamination.
Hazardous Decomposition Products:Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
	Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely	y routes of exposure
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Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,468.09 mg/kg
Inhalation Product:	No data available.

Repeated dose toxicity	
Product:	

No data available.



Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritatio Product:	n No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program Dioctyl phthalate	n (NTP) Report on Carcinogens: Reasonably Anticipated to be a Human Carcinogen.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	



Specific Target Organ Toxi Product:	city - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality	
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication	
Chronic hazards to the aquation	c environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result	
Aquatic Invertebrates Product:	No data available.	



Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (Bo Product:	CF) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated



15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity Diisodecyl phthalate Diisodecyl phthalate (mixed Is) **Dioctyl phthalate** 100 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity **Threshold Planning Quantity** Titanium dioxide 500 lbs Aluminum oxide 500 lbs Amorphous silica 500 lbs Zirconium dioxide 500 lbs Iron oxide 500 lbs Dioctyl phthalate

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide **Dioctyl phthalate**

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

500 lbs

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.



One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are

not listed on or exempt from the Inventory.

exempt from the Inventory.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate

Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

80000050225



	not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P PEARL ASH Material: 015137 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
neann	nazarus

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.13 %
Acute toxicity, dermal	66.24 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.39 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	12.39 %
environment	100.0/
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
ndication of immediate medical attention and special treatment needed		
Treatment:	Symptoms may be delayed.	



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Beige
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive	re limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.99
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	 I

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,411.23 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



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Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic comp US. OSHA Specifically Regulated	n (NTP) Report on Carcinogens: ponents identified I Substances (29 CFR 1910.1001-1050):
No carcinogenic comp	oonents identified
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - S Product:	Single Exposure No data available.
Specific Target Organ Toxicity -	Repeated Exposure

No data available.

Aspiration Hazard

Product:



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



14. Transport information	
Contaminated Packaging:	No data available.
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
13. Disposal considerations	
Other Adverse Effects:	Very toxic to aquatic organisms.
Mobility in Soil:	No data available.
Partition Coefficient n-octar Product:	nol / water (log Kow) No data available.
Bioaccumulative Potential Bioconcentration Factor (B0 Product:	CF) No data available.

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsIron oxide500 lbsAmorphous silica500 lbsZirconium dioxide500 lbsCarbon Black500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide


US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List		All components in this product are listed on ar
Canada DSL Inventory List.		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
lanan (ENCS) List		One or more compensate in this product are
Japan (ENCS) List:		not listed on or exempt from the Inventory.
		······
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philipping PICCS		One or more compensate in this product are
Finippines FICCS.		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
New Zealand Inventory of Chemicals.		not listed on or exempt from the Inventory.
		•
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmaconosia Listing		One or more components in this product are
Supart Harmasopoeia Listing.		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P PRECAST WHITE Material: 015111 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	28.92 %
Acute toxicity, dermal	97.38 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	95.96 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	71.14 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by weight		

in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	

Indication of immediate medical attention and special treatment needed



Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	tinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	5	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	



8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.



9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosi-	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.07
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.



11. Toxicological information		
Information on likely routes of exp Ingestion:	Dosure May be ingested by accident. Ingestion may cause irritation and malaise.	
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	Moderately irritating to skin with prolonged exposure.	
Eye contact:	Eye contact is possible and should be avoided.	
Information on toxicological effe	cts	
Acute toxicity (list all possible	routes of exposure)	
Oral Product:	No data available.	
Dermal Product:	No data available.	
Inhalation Product:	ATEmix: 2.28 mg/l	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study	
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study	
Amorphous silica	in vivo (Rabbit): Experimental result, Key study	

Serious Eye Damage/Eye Irritation Product: No data available.



Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	n (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.



12. Ecological information

Ecotoxicity:	
Acute hazards to the aquatic e	nvironment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Aluminum oxide	EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.



Other Adverse Effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		
14. Transport information			
TDC:			

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is) Copper phthalocyanine

SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityTitanium dioxide500 lbsAluminum oxide500 lbsZirconium dioxide500 lbsAmorphous silica500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water 0 g/l and exempt solvent):



VOC Method 310:	0.00 %
Inventory Status: Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/19/2016
Version #:	2.0
Further Information:	No data available.



Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P REDWOOD TAN Material: 015104 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	36.44 %
Acute toxicity, dermal	97.81 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	97.86 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	64.06 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	30 - 60%
Iron oxide	1309-37-1	10 - 30%
Aluminum oxide	1344-28-1	1 - 5%
Carbon Black	1333-86-4	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Rinse mouth thoroughly.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	



Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	xtinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	S	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	



Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWA	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste





Color:	Red brown
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explose	sive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.56
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)	
Oral Product:	No data available.
Dermal Product:	No data available.
Inhalation Product:	ATEmix: 2.28 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: No data available.



Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

- US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ To Product:	kicity - Single Exposure No data available.
Specific Target Organ To Product:	kicity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.



Other effects:

12. Ecological information **Ecotoxicity:** Acute hazards to the aquatic environment: Fish **Product:** No data available. **Aquatic Invertebrates Product:** No data available. Chronic hazards to the aquatic environment: Fish **Product:** No data available. Specified substance(s): LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting Titanium dioxide substance (structural analogue or surrogate), Supporting study Iron oxide NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study Aluminum oxide EC 10 (Pimephales promelas, 7 d): 2.729 mg/l Experimental result, Weight of Evidence study Carbon Black NOAEL (Salmo sp., 30 d): 17 mg/l QSAR QSAR, Key study Aquatic Invertebrates **Product:** No data available. **Toxicity to Aquatic Plants** Product: No data available. Persistence and Degradability **Biodegradation** Product: No data available. **BOD/COD** Ratio **Product:** No data available.

No data available.

Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available.



Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		
TDG:		
Not Regulated		
CFR / DOT:		
Not Regulated		

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard



SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Iron oxide	500 lbs
Aluminum oxide	500 lbs
Carbon Black	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Iron oxide Aluminum oxide Carbon Black

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Diisodecyl phthalate Titanium dioxide Iron oxide Aluminum oxide Carbon Black



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
and exempt solvent):	0 00 %	
Voc method 910.	0.00 /0	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or
		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the inventory.
Japan (ENCS) List [.]		One or more components in this product are
		not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the inventory.
Philippines PICCS:		One or more components in this product are
		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
· · · · · · · · · · · · · · · · · · ·		not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are
		not insted on or exempt from the inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	09/16/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P RIVER ROUGE RED Material: 015119 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	33.45 %
Acute toxicity, dermal	96.26 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.18 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	52.88 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Iron oxide	1309-37-1	20 - <50%
Diisodecyl phthalate	26761-40-0	25 - <50%
Titanium dioxide	13463-67-7	10 - <20%
Amorphous silica	7631-86-9	1 - <5%
Copper phthalocyanine	147-14-8	1 - <5%
Aluminum oxide	1344-28-1	0.1 - <1%
Zirconium dioxide	1314-23-4	0 1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

Most important symptoms/effects, acute and delayed

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed



Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	tinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and	d precautions for firefighters	
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	6	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	
7. Handling and storage		
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities:	Store locked up.	



8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Copper phthalocyanine - Fume as Cu	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Copper phthalocyanine - Dust and mist as Cu	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)





Chemical name	type	Exposure Limit Values	Source
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide -	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of



Total dust.			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Red
Odor:	Mild



Odor threshold:	No data available.	
pH:	No data available.	
Melting point/freezing point:	No data available.	
Initial boiling point and boiling range:	No data available.	
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)	
Evaporation rate:	Slower than Ether	
Flammability (solid, gas):	No	
Upper/lower limit on flammability or explosive limits		
Flammability limit - upper (%):	No data available.	
Flammability limit - lower (%):	No data available.	
Explosive limit - upper (%):	No data available.	
Explosive limit - lower (%):	No data available.	
Vapor pressure:	No data available.	
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.	
Relative density:	1.82	
Solubility(ies)		
Solubility in water:	Practically Insoluble	
Solubility (other):	No data available.	
Partition coefficient (n-octanol/water):	No data available.	
Auto-ignition temperature:	No data available.	
Decomposition temperature:	No data available.	
Viscosity:	No data available.	

10. Stability and reactivity

Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of hazardous reactions:	No data available.	
Conditions to avoid:	Avoid heat or contamination.	
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.	

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise	э.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat a mucus membranes.	and
Skin Contact:	May be harmful in contact with skin.	


Eye contact:	Eye contact is possible and should be avoided.	
Information on toxicological effects		
Acute toxicity (list all possible	routes of exposure)	
Oral Product:	No data available.	
Dermal Product:	ATEmix: 4,663.64 mg/kg	
Inhalation Product:	No data available.	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	No data available.	
Specified substance(s): Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study	
Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study	
Amorphous silica	in vivo (Rabbit): Experimental result, Key study	
Copper phthalocyanine	in vivo (Rabbit): Experimental result, Key study	
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study	

Serious Eye Damage/Eye Irritation Product: No data available.



Specified substance(s): Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Copper phthalocyanine	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Respiratory or Skin Sensitizatio Product:	n No data available.
Carcinogenicity Product:	Suspected of causing cancer.
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
US. National Toxicology Program No carcinogenic com	m (NTP) Report on Carcinogens: ponents identified
US. OSHA Specifically Regulate No carcinogenic com	d Substances (29 CFR 1910.1001-1050): ponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity - Product:	Single Exposure No data available.
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
80000050158	



12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Iron oxide	NOAEL (Pimephales promelas, 33 d): 1.6 mg/l Experimental result, Supporting study
Titanium dioxide	LC 50 (Oncorhynchus mykiss, 28 d): 7.31 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.



Partition Coefficient n-octanol / water (log Kow)		
Product:	No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		
TDG:		
Not Regulated		
CFR / DOT:		
Not Regulated		
INDO.		
Not Regulated		

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity Reportable quantity

Diisodecyl phthalate Copper phthalocyanine Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity Threshold Planning Quantity

Iron oxide	500 lbs
Diisodecyl phthalate	500 lbs
Titanium dioxide	500 lbs
Amorphous silica	500 lbs
Copper phthalocyanine	500 lbs
Aluminum oxide	500 lbs
Zirconium dioxide	500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Iron oxide Titanium dioxide Amorphous silica Copper phthalocyanine

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Iron oxide Titanium dioxide Amorphous silica

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Iron oxide Diisodecyl phthalate Titanium dioxide Amorphous silica Copper phthalocyanine



US. Rhode Island RTK Chemical Identity Diisodecyl phthalate		
Other Regulations:		
Regulatory VOC (less water and exempt solvent):	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
Mexico INSQ:		One or more components in this product are not listed on or exempt from the Inventory.



Ontario Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	09/29/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P RUSTIC RED Material: 015121 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral Acute toxicity, dermal Acute toxicity, inhalation, vapor Acute toxicity, inhalation, dust or mist	0.9 % 63.61 % 100 % 97.93 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	27.21 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:





Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements: Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	20 - <50%
Diisodecyl phthalate	26761-40-0	25 - <50%
Iron oxide	1309-37-1	10 - <20%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Carbon Black	1333-86-4	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.



Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical a	ttention and special treatment needed	
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) ex	ktinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	5	
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.	
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.	



7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)





Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of



fume as Fe			Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.



9. Physical and chemical properties

Appearance		
Physical state:	liquid	
Form:	Paste	
Color:	Red	
Odor:	Mild	
Odor threshold:	No data available.	
pH:	No data available.	
Melting point/freezing point:	No data available.	
Initial boiling point and boiling range:	No data available.	
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)	
Evaporation rate:	Slower than Ether	
Flammability (solid, gas):	No	
Upper/lower limit on flammability or explosive limits		
Flammability limit - upper (%):	No data available.	
Flammability limit - lower (%):	No data available.	
Explosive limit - upper (%):	No data available.	
Explosive limit - lower (%):	No data available.	
Vapor pressure:	No data available.	
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.	
Relative density:	1.9	
Solubility(ies)		
Solubility in water:	Practically Insoluble	
Solubility (other):	No data available.	
Partition coefficient (n-octanol/water):	No data available.	
Auto-ignition temperature:	No data available.	
Decomposition temperature:	No data available.	
Viscosity:	No data available.	

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.



11. Toxicological information

Information on likely routes of exp Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Information on toxicological effe	cts
Acute toxicity (list all possible	routes of exposure)
Oral Product:	No data available.
Dermal Product:	ATEmix: 3,352.28 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Experimental result, Supporting study
Iron oxide	in vivo (Rabbit): Experimental result, Weight of Evidence study
Aluminum oxide	in vivo (Rabbit): Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Experimental result, Key study
Carbon Black	in vivo (Rabbit): Experimental result, Key study

Serious Eye Damage/Eye Irritation Product: No data available.



Specified	substance(S)):
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Titanium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.

- US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Tox Product:	icity - Single Exposure No data available.
Specific Target Organ Tox Product:	icity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mort	tality
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	
Partition Coefficient n-octand Product:	o l / water (log Kow) No data available. 10	0/14



Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.



SARA 304 Emergency Release Notification Chemical Identity

Reportable quantity

Diisodecyl phthalate Diisodecvl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity Chemical Identity

500 lbs
500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Iron oxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Titanium dioxide

Diisodecyl phthalate Iron oxide Aluminum oxide



US. Rhode Island RTK Chemical Identity Diisodecyl phthalate Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water and exempt solvent): VOC Method 310:	0 g/l	
	0.00 /0	
Inventory Status: Australia AICS:		One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:		One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:		One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:		One or more components in this product are



not listed on or exempt from the Inventory.

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	10/14/2016
Version #:	2.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P SANDALWOOD BEIGE Material: 015142 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hoalth	Hazarde
Health	Hazaros

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.12 %
Acute toxicity, dermal	66.59 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.4 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	13.68 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	1 - 5%
Iron oxide	1309-37-1	1 - 5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.		
Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effects, acute and delayed			
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical attention and special treatment needed			
Treatment:	Symptoms may be delayed.		



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible containment and cleaning material. Collect spillage in containers, seal securely and deliver for up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for



			Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering
ControlsObserve good industrial hygiene practices. Observe occupational exposure
limits and minimize the risk of inhalation of vapors and mist. Mechanical
ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties



Appearance	
Physical state:	liquid
Form:	Paste
Color:	Beige
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.99
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	

Information on likely routes of exposure

May be ingested by accident. Ingestion may cause irritation and malaise.



Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,416.03 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritatio Product:	n No data available.
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating
Respiratory or Skin Sensitization Product:	No data available.

Carcinogenicity Product:

Suspected of causing cancer.



IARC Monogra	aphs on the Evalu	ation of Carcinogenic Risks to Humans:
т	itanium dioxide	Overall evaluation: Possibly carcinogenic to humans.
C	arbon Black	Overall evaluation: Possibly carcinogenic to humans.
US. National T N	Foxicology Progra	am (NTP) Report on Carcinogens: nponents identified
US. OSHA Spo N	ecifically Regulate	ed Substances (29 CFR 1910.1001-1050): nponents identified
Germ Cell Mu	tagenicity	
In vitro Product	:	No data available.
In vivo Product	:	No data available.
Reproductive Product	toxicity :	No data available.
Specific Targe Product	et Organ Toxicity :	- Single Exposure No data available.
Specific Targe Product	et Organ Toxicity :	- Repeated Exposure No data available.
Aspiration Ha Product	zard :	No data available.
Other effects	:	No data available.
	information	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.



Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquati	c environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experiment result	al
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BC Product:	F) No data available.	
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	10/14



14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalate

Diisodecyl phthalate (mixed Is)



SARA 311/312 Hazardous Chemical

Chemical Identity Titanium dioxide Aluminum oxide Iron oxide Amorphous silica Zirconium dioxide Carbon Black

Threshold Planning Quantity 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs 500 lbs

SARA 313 (TRI Reporting)

Chemical Identity

Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide Iron oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Titanium dioxide Diisodecyl phthalate Aluminum oxide Iron oxide

US. Rhode Island RTK

<u>Chemical Identity</u> Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l
and exempt solvent):	
VOC Method 310:	0.00 %

Inventory Status:



Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	All components in this product are listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	All components in this product are listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.





SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P SANDSTONE Material: 015181 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and	Category 4
Carcinogenicity	Category 2

Unknown toxicity - Health

Acute toxicity, oral	0.092 %
Acute toxicity, dermal	66.43 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	97.05 %

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	

Unknown toxicity - Environment

Acute hazards to the aquatic	14.12 %
environment	
Chronic hazards to the aquatic	100 %
environment	

Label Elements

Hazard Symbol:


Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Iron oxide	1309-37-1	0.1 - <1%
Carbon Black	1333-86-4	0.1 - <1%
* All concentrations are perce	nt by weight unless in	gredient is a gas. Gas concentrations are in percent by v

4. First-aid measures

Ingestion:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.



Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Most important symptoms/effect	s, acute and delayed
Symptoms:	May cause skin and eye irritation.
Indication of immediate medical a	ttention and special treatment needed
Treatment:	Symptoms may be delayed.
5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) extingu	lishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	\$
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.



Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910,1000) (02 2006)
Titanium dioxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)



	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
fraction.			
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air
		_	Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		_	2016)
	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Iron oxide - Respirable	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.			2016)
	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Carbon Black - Inhalable	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
fraction.		_	
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work



			Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection: Other:	Use suitable protective gloves if risk of skin contact. Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.



Hygiene measures:

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Form:PasteColor:BrownOdor:MildOdor threshold:No data available.pH:No data available.Melting point/freezing point:No data available.Initial boiling range:No data available.Flash Point:232 °C 450 °F (Setaflash Closed Cup)Evaporation rate:Slower than EtherFlammability (solid, gas):NoUpper/lower limit on flammability or explos:No data available.Flammability limit - upper (%):No data available.Flammability limit - lower (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor gressure:No data available.Vapor density:No data available.Relative density:1.93Solubility(ies)Fractically InsolubleSolubility (other):Practically InsolubleSolubility (other):No data available.
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Solubility in water:Practically InsolubleSolubility (other):No data available.Partition coefficient (n-octanol/water):No data available.
Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.



Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of ex Inhalation:	(posure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	May be harmful in contact with skin.	
Eye contact:	Eye contact is possible and should be avoided.	
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.	
Symptoms related to the physical, chemical and toxicological characteristics		

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.



Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Iron oxide	LD 50 (Rat): > 5,000 mg/kg
Carbon Black	LD 50 (Rat): > 8,000 mg/kg
Dermal Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Diisodecyl phthalate	LD 50 (Rabbit): > 3,160 mg/kg
Amorphous silica	LD 50 (Rabbit): > 2,000 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.

Specified substance(s):



Titanium dioxide	in vivo (Rabbit): Not irritant	Experimental result, Supporting study
Aluminum oxide	in vivo (Rabbit): Not irritant	Experimental result, Key study
Amorphous silica	in vivo (Rabbit): Not irritant	Experimental result, Key study
Iron oxide	in vivo (Rabbit): Not irritant	Experimental result, Weight of Evidence study
Carbon Black	in vivo (Rabbit): Not irritant	Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Titanium dioxide	Rabbit, 24 hrs: Not irritating
Aluminum oxide	Rabbit, 24 hrs: Not irritating
Amorphous silica	Rabbit, 24 hrs: Not irritating
Zirconium dioxide	Rabbit, 24 hrs: Not irritating
Carbon Black	Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization Product:

No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.

Carbon Black Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicit Product:	t y - Single Exposure No data available.
Specific Target Organ Toxicit Product:	t y - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish



Product:

Aquatic Invertebrates Product:	No data available.		
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative potential Bioconcentration Factor (BCF) Product: No data available.			
Partition Coefficient n-octanol / w Product:	vater (log Kow) No data available.		
Mobility in soil:	No data available.		
Other adverse effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		
14. Transport information			

No data available.

TDG:

Not Regulated

CFR / DOT:

Not Regulated



IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.



US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide Aluminum oxide Carbon Black

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide

US. Rhode Island RTK

Chemical Identity

Titanium dioxide Aluminum oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



Inventory Status:	
Australia AICS:	

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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16.Other information, including date of preparation or last revision

Revision Date:	08/16/2018
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P STONE Material: 015192 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Hea	lth	Haza	rds

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.11 %
Acute toxicity, dermal	66.5 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.39 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic	12.01 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%
Iron oxide	1309-37-1	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures		
Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical attention and special treatment needed		

Treatment: Symptoms may be delayed.



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.92
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.		
Viscosity:	No data available.		
10. Stability and reactivity			
Reactivity:	No data available.		
Chemical Stability:	Material is stable under normal conditions.		
Possibility of Hazardous Reactions:	No data available.		
Conditions to Avoid:	Avoid heat or contamination.		
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).		
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.		
11. Toxicological information	 I		

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,414.89 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



S

Serious Eye Damage/Eye Irritatio Product:	n No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating		
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating		
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating		
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating		
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating		
Respiratory or Skin Sensitization Product:	No data available.		
Carcinogenicity Product:	Suspected of causing cancer.		
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:			
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.		
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.		
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified			
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified			
Germ Cell Mutagenicity			
In vitro Product:	No data available.		
In vivo Product:	No data available.		
Reproductive toxicity Product:	No data available.		
Specific Target Organ Toxicity - S Product:	Single Exposure No data available.		

Specific Target Organ Toxicity - Repeated Exposure Product: No data available.

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result	
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result	
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR	
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	



Bioaccumulative Potential Bioconcentration Factor (BCF)		
Product:	No data available.	
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		
TDG:		

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity	
Titanium dioxide	500 lbs	
Aluminum oxide	500 lbs	
Amorphous silica	500 lbs	
Zirconium dioxide	500 lbs	
Carbon Black	500 lbs	
Iron oxide	500 lbs	

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water and exempt solvent):	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List:		All components in this product are listed on or exempt from the Inventory
		exempt nom the inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
		-
Japan (ENCS) List:		One or more components in this product are
		not listed on of exempt from the inventory.
China Inv. Existing Chemical Substances:		One or more components in this product are
J. J		not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):		One or more components in this product are
		not instea on of exempt from the inventory.
Canada NDSL Inventory:		One or more components in this product are
·		not listed on or exempt from the Inventory.
Philippines PICCS:		One or more components in this product are
		not instea on or exempt from the inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
		-
New Zealand Inventory of Chemicals:		One or more components in this product are
		net loted on or exempt from the inventory.
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
lan an Dhanna a su si shi si		
Japan Pharmacopoeia Listing:		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P SUNSET YELLOW Material: 015270 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards	
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B

Unknown toxicity - Health

Acute toxicity, oral	0.071 %
Acute toxicity, dermal	67.73 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	96.8 %

Environmental Hazards

Acute hazards to the aquatic environment	Category 1	
Unknown toxicity - Environment		
A suite la seconda da da a sucedia		

Acute nazards to the aquatic	10.75 %
environment	
Chronic hazards to the aquatic environment	100 %

Label Elements



Hazard Symbol:

•	!	¥2
Si	gnal Word:	Danger
На	zard Statement:	Harmful if inhaled. May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Pr Sta	ecautionary atements	
Pr	evention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Re	sponse:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Ste	orage:	Store locked up.
Di	sposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) classified (not otherwise (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Dioctyl phthalate	117-81-7	0.1 - <0.3%
Iron oxide	1309-37-1	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures



Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects	s, acute and delayed	
Symptoms:	May cause skin and eye irritation.	
Indication of immediate medical at	ttention and special treatment needed	
Treatment:	Symptoms may be delayed.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures:	No data available.	
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.	



Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000)
		particles per	(2000)
		cubic foot of	
		air	
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.



Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Paste
Color:	Yellow
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.96
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:No data available.Chemical Stability:Material is stable under normal conditions.


Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	
Information on likely routes of ex Inhalation:	posure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Symptoms related to the physica	I, chemical and toxicological characteristics
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Information on toxicological effects	
Acute toxicity (list all possible routes of exposure)	
Oral Product:	Not classified for acute toxicity based on available data.



Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg		
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg		
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg		
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg		
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg		
Dioctyl phthalate	LD 50 (Rat): 9,800 mg/kg		
Iron oxide	LD 50 (Rat): > 5,000 mg/kg		
Dermal Product:	ATEmix: 3,450.51 mg/kg		
Inhalation Product:	ATEmix: 1.9 mg/l		
Repeated dose toxicity Product:	No data available.		
Skin Corrosion/Irritation Product:	No data available.		
Specified substance(s): Titanium dioxide	in vivo (Rabbit): Not irritant Experimental result, Supporting study		
Aluminum oxide	in vivo (Rabbit): Not irritant Experimental result, Key study		
Amorphous silica	in vivo (Rabbit): Not irritant Experimental result, Key study		
Dioctyl phthalate	in vivo (Rabbit): Not irritant Experimental result, Key study		
Iron oxide	in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study		

Serious Eye Damage/Eye Irritation Product: N

Product: No data available. Specified substance(s):



Titanium dioxide	Rabbit, 24 hrs: Not irritating		
Aluminum oxide	Rabbit, 24 hrs: Not irritating		
Amorphous silica	Rabbit, 24 hrs: Not irritating		
Zirconium dioxide	Rabbit, 24 hrs: Not irritating		
Dioctyl phthalate	Rabbit, 24 - 72 hrs: Not irritating		
Respiratory or Skin Sensitization Product:	No data available.		
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.		
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.		
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.		
US. National Toxicology Program (NTP) Report on Carcinogens: Dioctyl phthalate Reasonably Anticipated to be a Human Carcinogen.			
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified			
Germ Cell Mutagenicity			
In vitro Product:	No data available.		
In vivo Product:	No data available.		
Reproductive toxicity Product:	May damage fertility or the unborn child.		
Specific Target Organ Toxicity - Product:	Single Exposure No data available.		
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.			
Appiration Hazard			



Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Morta	lity
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Morta	lity
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication	
Diisodecyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): > 0.02 mg/l Intoxication	
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 48 h): 2 mg/l Intoxication	
Chronic hazards to the aquatic	environment:	
Fish Product:	No data available.	
Aquatic Invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative Potential Bioconcentration Factor (BCF Product:	F) No data available.	



Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)	
Partition Coefficient n-octanol / v Product:	vater (log Kow) No data available.	
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60	
Mobility in Soil:	No data available.	
Other Adverse Effects:	Very toxic to aquatic organisms.	
13. Disposal considerations		
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Contaminated Packaging:	No data available.	
14. Transport information		

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityDiisodecyl phthalateDiisodecyl phthalateDiisodecylphthalate(mixed Is)100 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	10000 lbs
Diisodecyl phthalate	10000 lbs
Aluminum oxide	10000 lbs
Amorphous silica	10000 lbs
Zirconium dioxide	10000 lbs
Dioctyl phthalate	10000 lbs
Iron oxide	10000 lbs

SARA 313 (TRI Reporting)

<u>Chemical Identity</u> Aluminum oxide Dioctyl phthalate

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Titanium dioxide	Carcinogenic. 09 2011
Dioctyl phthalate	Carcinogenic. 09 2011
Dioctyl phthalate	Developmental toxin. 09 2011
Dioctyl phthalate	Male reproductive toxin. 09 2011
Carbon Black	Carcinogenic. 09 2011

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate



US. Massachusetts RTK - Substance List

Chemical Identity Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

International regulations

Montreal protocol

not applicable

Stockholm convention

not applicable

Rotterdam convention

not applicable

Kyoto protocol

not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %



Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	12/13/2016	
Version #:	2.0	
Further Information:	No data available.	



Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P SUPER WHITE Material: 015271 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards		
Carcinogenicity		Category 1B
Toxic to reproduction	n	Category 1B
Unknown toxicity - Health	ı	
Acute toxicity, oral		0.21 %
Acute toxicity, derm	al	69.2 %
Acute toxicity, inhal	ation, vapor	100 %
Acute toxicity, inhal	ation, dust or mist	99.3 %
Environmental Hazards		
Acute hazards to th environment	e aquatic	Category 1
Unknown toxicity - Envire	onment	
Acute hazards to th environment	e aquatic	6.95 %
Chronic hazards to environment	the aquatic	100 %

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life.
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	60 - 100%
Aluminum oxide	1344-28-1	3 - 7%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Dioctyl phthalate	117-81-7	0.1 - 1%

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.	
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.	
Most important symptoms/effects, acute and delayed		
Symptoms:	May cause skin and eye irritation.	

Indication of immediate medical attention and special treatment needed



5. Fire-fighting measures General Fire Hazards: No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Dioctyl phthalate	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Dioctyl phthalate	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Dioctyl phthalate	TWAEV	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Dioctyl phthalate	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)



Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
Individual protection measures,	, such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2
Solubility(ies)	



Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity: N	o data available.
Chemical Stability: M	laterial is stable under normal conditions.
Possibility of Hazardous N Reactions:	o data available.
Conditions to Avoid: A	void heat or contamination.
Incompatible Materials: A	void contact with oxidizing agents (e.g. nitric acid, peroxides and nromates).
Hazardous DecompositionTiProducts:ot	hermal decomposition or combustion may liberate carbon oxides and ther toxic gases or vapors.

11. Toxicological information

Information on likely	y routes of exposure
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Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.	
Dermal Product:	ATEmix: 3,472.97 mg/kg	
Inhalation Product:	No data available.	

Repeated dose toxicity	
Product:	

No data available.



Skin Corrosion/Irritation Product:	No data available.	
Serious Eye Damage/Eye Irritatio Product:	on No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Dioctyl phthalate	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	n No data available.	
Carcinogenicity Product:	May cause cancer. Suspected of causing cancer.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:		
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Dioctyl phthalate	Overall evaluation: Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: Dioctyl phthalate Reasonably Anticipated to be a Human Carcinogen.		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	May damage fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	



Aspiration Hazard Product:	No data available.
Other effects:	No data available.
12. Ecological information	

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Dioctyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.16 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Dioctyl phthalate	EC 50 (Water flea (Daphnia magna), 7 d): > 1.3 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 14 d): > 1.3 mg/l Intoxication LC 50 (Scud (Gammarus pseudolimnaeus), 96 h): > 32 mg/l Mortality LC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 1 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 0.32 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Dioctyl phthalate	LC 50 (C. variegatus and L. macrochirus, 96 h): 1.01 - 1.37 mg/l experimental result
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.



Persistence and Degradability

Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.
Specified substance(s): Dioctyl phthalate	Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 5,400 (Static)
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Specified substance(s): Dioctyl phthalate	Log Kow: 7.60
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	
Not Regulated	
CFR / DOT:	
Not Regulated	
IMDG:	
Not Regulated	



US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. E))
None present or none present in regulated guantities.	

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Dioctyl phthalate	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification Chemical Identity Diisodecyl phthalate

Disodecyl phthalate (mixed ls) Dioctyl phthalate 100 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Titanium dioxide	500 lbs
Aluminum oxide	500 lbs
Amorphous silica	500 lbs
Zirconium dioxide	500 lbs
Dioctyl phthalate	500 lbs

SARA 313 (TRI Reporting)

<u>Chemical Identity</u> Aluminum oxide Dioctyl phthalate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide



US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Dioctyl phthalate

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Dioctyl phthalate

US. Rhode Island RTK

Chemical Identity

Diisodecyl phthalate Aluminum oxide

Other Regulations:

Regulatory VOC (less water	0 g/l	
and exempt solvent):		
VOC Method 310:	0.00 %	

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.



New Zealand Inventory of Chemicals:One or more components in this product are
not listed on or exempt from the Inventory.Japan ISHL Listing:One or more components in this product are
not listed on or exempt from the Inventory.Japan Pharmacopoeia Listing:One or more components in this product are
not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P TOAST TAN Material: 015141 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person: Telephone: Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and	Category 4
Carcinogenicity	Category 2

Unknown toxicity - Health

Acute toxicity, oral	0.13 %
Acute toxicity, dermal	65.91 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	97.21 %

Environmental Hazards

Acute hazards to the aquatic	Category 1
environment	

Unknown toxicity - Environment

Acute hazards to the aquatic environment	16.4 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	50 - <100%
Diisodecyl phthalate	26761-40-0	25 - <50%
Aluminum oxide	1344-28-1	1 - <5%
Iron oxide	1309-37-1	1 - <5%
Amorphous silica	7631-86-9	0.1 - <1%
Zirconium dioxide	1314-23-4	0.1 - <1%
Carbon Black	1333-86-4	0.1 - <1%
* All concentrations are percen	t by weight unless ing	predient is a gas. Gas concentrations are in percent by

4. First-aid measures

Ingestion:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.



Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Most important symptoms/effect	s, acute and delayed
Symptoms:	May cause skin and eye irritation.
Indication of immediate medical a	ttention and special treatment needed
Treatment:	Symptoms may be delayed.
5. Fire-fighting measures	
General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable (and unsuitable) extingu	lishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures	\$
Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.



Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
		-	Contaminants (29 CFR 1910.1000) (02 2006)
Titanium dioxide - Respirable	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
fraction.		particles per	2016)
		cubic foot of	
		air	
Titanium dioxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Titanium dioxide - Total dust.	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		CUDIC TOOT OF	
Aluminum oxido Rospirablo		all 15 millions of	US OSHA Table 7.3 (20 CEP 1010 1000) (03
fraction	IWA	narticles per	2016)
inaction.		cubic foot of	2010)
		air	
	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)
Aluminum oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910,1000) (03
			2016)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air
		J	Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Total dust.	TWA	50 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Iron oxide - Respirable	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03



fraction.			2016)
	TWA	15 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
		particles per	2016)
		cubic foot of	
		air	
Iron oxide - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (03
			2016)
Amorphous silica	TWA	20 millions of	US. OSHA Table Z-3 (29 CFR 1910.1000)
		particles per	(2000)
		cubic foot of	
		air	
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000)
			(2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air
			Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Chemical name	Туре	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Diisodecyl phthalate	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Inhalable fraction.	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Respirable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Aluminum oxide - Total dust. - as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Dust as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Fume as Fe	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Iron oxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Iron oxide - Dust and fume as Fe	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)



Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable.	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust.	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Zirconium dioxide - as Zr	STEL	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Zirconium dioxide - as Zr	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection: Other:	Use suitable protective gloves if risk of skin contact. Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.



Hygiene measures:

Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance Physical state:

liquid
Paste
Tan
Mild
No data available.
232 °C 450 °F(Setaflash Closed Cup)
Slower than Ether
No
e limits
No data available.
Vapors are heavier than air and may travel along the floor and in the bottom of containers.
1.97
Practically Insoluble
No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.



Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of ex Inhalation:	xposure In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.	
Skin Contact:	May be harmful in contact with skin.	
Eye contact:	Eye contact is possible and should be avoided.	
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.	
Symptoms related to the physical, chemical and toxicological characteristics		

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.



Specified substance(s): Titanium dioxide	LD 50 (Rat): > 5,000 mg/kg
Diisodecyl phthalate	LD 50 (Rat): 64,000 mg/kg
Aluminum oxide	LD 50 (Rat): > 10,000 mg/kg
Iron oxide	LD 50 (Rat): > 5,000 mg/kg
Amorphous silica	LD 50 (Rat): > 5,000 mg/kg
Zirconium dioxide	LD 50 (Rat): > 5,000 mg/kg
Carbon Black	LD 50 (Rat): > 8,000 mg/kg
Dermal Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Diisodecyl phthalate	LD 50 (Rabbit): > 3,160 mg/kg
Amorphous silica	LD 50 (Rabbit): > 2,000 mg/kg
Inhalation Product:	ATEmix: 1.9 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.

Specified substance(s):



Titanium dioxide	in vivo (Rabbit): Not irritant	Experimental result, Supporting study
Aluminum oxide	in vivo (Rabbit): Not irritant	Experimental result, Key study
Iron oxide	in vivo (Rabbit): Not irritant	Experimental result, Weight of Evidence study
Amorphous silica	in vivo (Rabbit): Not irritant	Experimental result, Key study
Carbon Black	in vivo (Rabbit): Not irritant	Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Titanium dioxide	Rabbit, 24 hrs: Not irritating
Aluminum oxide	Rabbit, 24 hrs: Not irritating
Amorphous silica	Rabbit, 24 hrs: Not irritating
Zirconium dioxide	Rabbit, 24 hrs: Not irritating
Carbon Black	Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization Product:

No data available.

Carcinogenicity Product:

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.

Carbon Black Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified



Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicit Product:	t y - Single Exposure No data available.
Specific Target Organ Toxicit Product:	t y - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Diisodecyl phthalate	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 0.47 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Diisodecyl phthalate	EC 50 (Opossum shrimp (Americamysis bahia), 96 h): > 0.08 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish


Product:

Aquatic Invertebrates	No data available		
rioduct.			
Toxicity to Aquatic Plants Product:	No data available.		
Persistence and Degradability			
Biodegradation Product:	No data available.		
BOD/COD Ratio Product:	No data available.		
Bioaccumulative potential Bioconcentration Factor (BCF) Product: No data available.			
Partition Coefficient n-octanol / water (log Kow) Product: No data available.			
Mobility in soil:	No data available.		
Other adverse effects:	Very toxic to aquatic organisms.		
13. Disposal considerations			
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.		
Contaminated Packaging:	No data available.		
14. Transport information			

No data available.

TDG:

Not Regulated

CFR / DOT:

Not Regulated



IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u> <u>Reportable quantity</u>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Carcinogenicity

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Threshold Planning Quantity
10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.



US State Regulations

US. California Proposition 65



WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide Carbon Black

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide Iron oxide

US. Rhode Island RTK

Chemical Identity

Titanium dioxide Aluminum oxide Iron oxide

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and exempt solvent)	:	0 g/l
VOC Method 310	:	0.00 %





Inventory Status: Australia AICS: Canada DSL Inventory List:

Japan (ENCS) List:

EINECS, ELINCS or NLP:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

All components in this product are listed on or exempt from the Inventory.

One or more components in this product are not listed on or exempt from the Inventory.

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One or more components in this product are not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	02/20/2019
Version #:	1.1
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.



SAFETY DATA SHEET

1. Identification

Material name: UNIVERSAL C/P VAN DYKE Material: 015143 529

Recommended use and restriction on use

Recommended use: Colorant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Canadian Sealants 220 Wicksteed Ave Toronto ON M4H 1G7 CA

Contact person:
Telephone:
Emergency telephone number:

EH&S Department 1-800-263-6046 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health	Hazards
ncaitii	i lazai u 3

Carcinogenicity	Category 2
Unknown toxicity - Health	
Acute toxicity, oral	0.11 %
Acute toxicity, dermal	67.49 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	99.37 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 1
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	11.24 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Suspected of causing cancer. Very toxic to aquatic life.	
Precautionary Statement: Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.	
Response:	If exposed or concerned: Get medical advice/attention. Collect spillage.	
Storage:	Store locked up.	
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Other hazards which do not result in GHS classification:	None.	

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Titanium dioxide	13463-67-7	40 - 70%
Aluminum oxide	1344-28-1	3 - 7%
Iron oxide	1309-37-1	0.5 - 1.5%
Amorphous silica	7631-86-9	0.5 - 1.5%
Zirconium dioxide	1314-23-4	0.5 - 1.5%
Carbon Black	1333-86-4	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor//if you feel unwell. Rinse mouth.		
Inhalation:	Move to fresh air.		
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.		
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.		
Most important symptoms/effects, acute and delayed			
Symptoms:	May cause skin and eye irritation.		
Indication of immediate medical attention and special treatment needed			
Treatment:	Symptoms may be delayed.		



5. Fire-fighting measures **General Fire Hazards:** No unusual fire or explosion hazards noted. Suitable (and unsuitable) extinguishing media Suitable extinguishing Use fire-extinguishing media appropriate for surrounding materials. media: Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media: Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical: Special protective equipment and precautions for firefighters Special fire fighting No data available. procedures: Special protective equipment Self-contained breathing apparatus and full protective clothing must be for fire-fighters: worn in case of fire. 6. Accidental release measures Personal precautions, No data available. protective equipment and emergency procedures: Methods and material for Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for containment and cleaning up: disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. **Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. 7. Handling and storage Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, Store locked up. including any incompatibilities:

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits





Chemical Identity	type	Exposure Limit Values	Source
Titanium dioxide	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Titanium dioxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Respirable fraction.	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum oxide - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Iron oxide - Respirable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
Iron oxide - Fume.	PEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Amorphous silica	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.8 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Zirconium dioxide - as Zr	STEL	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon Black - Inhalable fraction.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (2011)
Carbon Black	PEL	3.5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Chemical name	type	Exposure Limit Values	Source
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Titanium dioxide - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Diisodecyl phthalate	TWAEV	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Respirable.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum oxide - Respirable fraction.	TWAEV	1 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Aluminum oxide - Total dust as Al	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black	TWAEV	3.5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.



Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Paste
Color:	Gray
Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	232 °C 450 °F(Setaflash Closed Cup)
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosiv	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	2.02
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.



Decomposition temperature:	No data available.
Viscosity:	No data available.
10. Stability and reactivity	
Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information]

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	May be harmful in contact with skin.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	No data available.
Dermal Product:	ATEmix: 3,427.99 mg/kg
Inhalation Product:	No data available.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.



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Serious Eye Damage/Eye Irritation Product:	n No data available.	
Specified substance(s): Titanium dioxide	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Aluminum oxide	in vivo (Rabbit, 24 hrs): Not irritating	
Iron oxide	in vivo (Rabbit, 1 - 72 hrs): Not irritating	
Amorphous silica	in vivo (Rabbit, 24 hrs): Not irritating	
Zirconium dioxide	in vivo (Rabbit, 24 hrs): Not irritating	
Carbon Black	in vivo (Rabbit, 24 - 72 hrs): Not irritating	
Respiratory or Skin Sensitization Product:	No data available.	
Carcinogenicity Product:	Suspected of causing cancer.	
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:	
Titanium dioxide	Overall evaluation: Possibly carcinogenic to humans.	
Carbon Black	Overall evaluation: Possibly carcinogenic to humans.	
 US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified 		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	

Aspiration Hazard



Product:	No data available.
Other effects:	No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Titanium dioxide	EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Specified substance(s): Titanium dioxide	LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Aluminum oxide	NOAEL (Pimephales promelas, 28 d): 4.7 mg/l experimental result
Iron oxide	LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Carbon Black	NOAEL (Salmo sp., 30 d): 17 mg/l QSAR
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.



Bioaccumulative Potential Bioconcentration Factor (BC	F)
Product:	No data available.
Partition Coefficient n-octand Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.
14. Transport information	
TDG:	

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity Reportable quantity



Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity Reportable quantity

Diisodecyl phthalate Diisodecyl phthalate (mixed Is)

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity	
Titanium dioxide	500 lbs	
Aluminum oxide	500 lbs	
Iron oxide	500 lbs	
Amorphous silica	500 lbs	
Zirconium dioxide	500 lbs	
Carbon Black	500 lbs	

SARA 313 (TRI Reporting)

Chemical Identity Aluminum oxide

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u> Titanium dioxide Aluminum oxide

US. Massachusetts RTK - Substance List

Chemical Identity

Titanium dioxide Aluminum oxide

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Titanium dioxide Diisodecyl phthalate Aluminum oxide



US. Rhode Island RTK		
Chemical Identity		
Diisodecyl phthalate		
Aluminum oxide		
Other Regulations:		
Regulatory VOC (less water	0 g/l	
VOC Method 310:	0.00 %	
Inventory Status:		
Australia AICS:		One or more components in this product are
		not listed on or exempt from the Inventory.
Canada DSL Inventory List		All components in this product are listed on ar
Canada DSL Inventory List.		exempt from the Inventory.
EINECS, ELINCS or NLP:		One or more components in this product are
		not listed on or exempt from the Inventory.
lanan (ENCS) List		One or more compensate in this product are
Japan (ENCS) List:		not listed on or exempt from the Inventory.
		······
China Inv. Existing Chemical Substances:		One or more components in this product are
		not listed on or exempt from the Inventory.
Karaa Evicting Chamicala Inv. (KECI)		One or more compensate in this product are
Korea Existing Chemicals Inv. (RECI).		not listed on or exempt from the Inventory.
Canada NDSL Inventory:		One or more components in this product are
		not listed on or exempt from the Inventory.
Philipping PICCS		One or more compensate in this product are
Finippines FICCS.		not listed on or exempt from the Inventory.
US TSCA Inventory:		All components in this product are listed on or
		exempt from the Inventory.
New Zealand Inventory of Chemicals:		One or more components in this product are
New Zealand Inventory of Chemicals.		not listed on or exempt from the Inventory.
		•
Japan ISHL Listing:		One or more components in this product are
		not listed on or exempt from the Inventory.
Japan Pharmaconosia Listing		One or more components in this product are
Supart Harmasopoeia Listing.		not listed on or exempt from the Inventory.



16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.