



Safety Data Sheet

Issue Date: 21-May-2013

Revision Date: 13-Mar-2014

Version 1

1. IDENTIFICATION

Product Name PC CONCRETE EPOXY, PART A

MSDS # 130521-37-CA

Recommended Use Adhesives.

Supplier Address

Protective Coatings Co.
221 S Third St.
Allentown, PA 18102 USA

Company Phone Number

610-432-3543 / 800-220-2103

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Causes skin irritation
Causes serious eye irritation

Appearance White paste

Physical State Paste.

Odor Mild

Potential Health Effects

Acute Toxicity

Eyes

Causes serious eye irritation.

Skin

Causes skin irritation.

Inhalation

May cause irritation of respiratory tract.

Ingestion

May cause nausea, vomiting, stomach ache, and diarrhea.

Chronic effects

No known effect based on information supplied.

Symptoms

Causes eye irritation. Direct contact may cause temporary redness and discomfort. Causes skin irritation. May cause respiratory irritation. Ingestion may cause nausea, vomiting, dizziness, and headache, Coma.

Aggravated Medical Conditions

None known.

Environmental Hazard

See Section 12: ECOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--|------------|----------|
| Polymer of epichlorohydrin and bisphenol A | 25085-99-8 | 30-60 |
| Trimethylolethane triglycidyl ether | 68460-21-9 | 7-13 |

| | | |
|------------------|------------|-----|
| Titanium Dioxide | 13463-67-7 | 1-5 |
| Silica, Quartz | 14808-60-7 | 1-5 |
| Ethylene glycol | 107-21-1 | 1-5 |

4. FIRST-AID MEASURES

| | |
|---------------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. After first aid, get appropriate in-plant, paramedic, or community medical support. |
| Eye Contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention. |
| Skin Contact | Wash with soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation occurs. |
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Remove stomach contents by medical personnel only. Immediate medical attention is required. |
| Notes to Physician | Skin and eye conditions may be aggravated by long term exposure. Medical Conditions Aggravated by Long-Term Exposure: skin disorders and allergies and eye conditions. |

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Flammable properties | Not flammable. |
| Flash Point Method | > 300 °F / 148.88 °C CC (closed cup) |
| Suitable Extinguishing Media | Carbon dioxide (CO2), Dry chemical, Alcohol foam. |
| Hazardous Combustion Products | Carbon monoxide. Carbon dioxide (CO2), |
| <u>Explosion Data</u> Sensitivity to Mechanical Impact Sensitivity to Static Discharge | None. None. |
| Specific Hazards Arising from the Chemical | Ignition will give rise to a Class B fire. May generate toxic or irritating combustion products. May generate carbon monoxide gas. |
| Protective equipment and precautions for firefighters | Keep containers cool with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not release runoff from fire control methods to sewers or waterways. NFPA Class IIIB. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|--|
| Personal Precautions | Wear protective gloves/protective clothing and eye/face protection. Remove any contaminated clothing and wash thoroughly before reuse. |
| Environmental Precautions | See Section 12 for additional Ecological Information. |

| | |
|--------------------------------|---|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. For large spills, dike far ahead of liquid spill for later disposal. |
| Methods for Clean-Up | Collect and place in suitable, properly labeled container for recovery or disposal. Dispose of contents/container to an approved waste disposal plant. For waste disposal, see section 13 of the SDS. |

7. HANDLING AND STORAGE

| | |
|--------------------------------|--|
| Advice on Safe Handling | Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. |
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Store contents under <90F (32C) . NFPA Class IIIB storage. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH IDLH | Canada - Alberta - Occupational Exposure Limits - Ceilings | Canada - British Columbia - Occupational Exposure Limits - Ceilings | Canada - Manitoba - Occupational Exposure Limits - Ceilings | Canada - New Brunswick - Occupational Exposure Limits - Ceilings | Canada - Newfoundland & Labrador - Occupational Exposure Limits - Ceilings |
|--|--|--|---|--|--|---|--|--|
| Ethylene glycol 107-21-1 (1-5) | Ceiling: 100 mg/m ³ aerosol only | (vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³ | - | Ceiling: 100 mg/m ³ | TWA: 10 mg/m ³ STEL: 20 mg/m ³ Ceiling: 100 mg/m ³ Ceiling: 50 ppm | 100 mg/m ³ Ceiling | 100 mg/m ³ Ceiling | 100 mg/m ³ Ceiling |
| Titanium Dioxide 13463-67-7 (1-5) | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust | IDLH: 5000 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | - | - | - |
| Silica, Quartz 14808-60-7 (1-5) | TWA: 0.025 mg/m ³ respirable fraction | (vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction | IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust | TWA: 0.025 mg/m ³ | TWA: 0.025 mg/m ³ | - | - | - |

| Component | Canada - Northwest Territories - Occupational Exposure Limits - Ceilings | Canada - Nova Scotia - Occupational Exposure Limits - Ceilings | Canada - Nunavut - Occupational Exposure Limits - Ceilings | Canada - Ontario - Occupational Exposure Limits - Ceilings | Canada - Prince Edward Island - Occupational Exposure Limits - Ceilings | Canada - Quebec - Occupational Exposure Limits - Ceilings | Canada - Saskatchewan - Occupational Exposure Limits - Ceilings | Canada - Yukon - Occupational Exposure Limits - Ceilings |
|-------------------------------------|--|--|--|--|---|---|---|--|
| Ethylene glycol 107-21-1 (1-5) | 50 ppm Ceiling 127 mg/m ³ Ceiling | 100 mg/m ³ Ceiling | 50 ppm Ceiling 127 mg/m ³ Ceiling | 100 mg/m ³ Ceiling | 100 mg/m ³ Ceiling | 50 ppm Ceiling 127 mg/m ³ Ceiling | 100 mg/m ³ Ceiling | - |

| | |
|--------------------------|--|
| Other Information | If product is sanded, appropriate respirator should be worn to avoid breathing dust. Pre-existing respiratory disorders may be aggravated by exposure. If sanded, this material may generate silica / titanium dust. Inhaled silica / titanium has been classified by IARC as a human carcinogen (see section 11). |
|--------------------------|--|

Engineering Controls Provide general or local exhaust ventilation systems if possible. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Personal protective equipment (PPE)

Skin and Body Protection Wear chemically protective gloves to prevent skin contact. Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Eye/Face Protection Chemical safety goggles/faceshield.
Respiratory Protection If necessary, wear a MSHA/NIOSH-approved respirator.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|------------------------|----------------|---------------|----------------|
| Physical State | Paste | Odour | Not determined |
| Appearance | White paste | Colour | Not determined |
| Odour Threshold | Not determined | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|----------------------|--------------------------------|
| pH | Not determined | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | Not determined | |
| Flash Point | 148.88 °C / > 300 °F | CC (closed cup) |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Not available | |
| Lower Flammability Limit | Not available | |
| Vapour Density | Not determined | |
| Relative Density | Not determined | |
| Vapour Pressure | Not determined | |
| Water Solubility | Insoluble in water | |
| Solubility in other solvents | Alcohols | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidising Properties | Not determined | |
| VOC Content | 11.7 lbs./ gallon | |

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Materials Strong acids, peroxides, and other oxidizing agents.

Conditions to Avoid None known based on information supplied.

Hazardous Decomposition Products Thermal oxidative decomposition can produce CO, CO₂ in a fire.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

| | |
|---------------------|---|
| Inhalation | May cause irritation of respiratory tract. |
| Eye Contact | Causes serious eye irritation. |
| Skin Contact | Causes skin irritation. |
| Ingestion | May cause nausea, vomiting, stomach ache, and diarrhea. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|-------------------------|-----------------|
| Polymer of epichlorohydrin and bisphenol A | >2000 mg/kg (rat) | >2000 mg/kg (rabbit) | |
| Ethylene glycol | = 4000 mg/kg (Rat) | = 9530 µL/kg (Rabbit) | |
| Titanium Dioxide | > 10000 mg/kg (Rat) | | |
| Silica, Quartz | = 500 mg/kg (Rat) | | |

Chronic toxicity

Carcinogenicity

Silica (quartz) is a possible carcinogen when it appears as a respirable dust. Titanium dioxide is a possible carcinogen when it appears as a respirable dust.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|------------------|-------|----------|-------|------|
| Titanium Dioxide | | Group 2B | | X |
| Silica, Quartz | A2 | Group 1 | Known | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Target organ effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|-----------------|--|---|--|
| Ethylene glycol | 6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static | 46300: 48 h Daphnia magna mg/L EC50 |

Mobility

| Chemical Name | Partition Coefficient |
|-----------------|-----------------------|
| Ethylene glycol | -1.93 |

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes

Contact your supplier or a licensed contractor for detailed recommendations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Do not reuse container.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|--|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Polymer of epichlorohydrin and bisphenol A | Present | X | | | | Present | X | Present | X | X |
| Trimethylolethane triglycidyl ether | Present | X | | | | | X | | | X |
| Titanium Dioxide | Present | X | | Present | | Present | X | Present | X | X |
| Silica, Quartz | Present | X | | Present | | Present | X | Present | X | X |
| Ethylene glycol | Present | X | | Present | | Present | X | Present | X | X |

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Not determined

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | No |
| Chronic Health Hazard | Yes |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|-----------------|--------------------------|----------------|--|
| Ethylene glycol | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|------------------|---------------------------|
| Titanium Dioxide | Carcinogen |
| Silica, Quartz | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania |
|------------------|---------------|------------|--------------|
| Ethylene glycol | X | X | X |
| Titanium Dioxide | X | X | X |
| Silica, Quartz | X | X | X |

International Regulations

| Chemical Name | Carcinogenicity | Exposure Limits |
|------------------|-----------------|---|
| Titanium Dioxide | | Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³ |
| Silica, Quartz | | Mexico: TWA 0.1 mg/m ³ |
| Ethylene glycol | | Mexico: Ceiling 100 mg/m ³ |

CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

Class D, Div. 2



| Chemical Name | NPRI |
|-----------------|------|
| Ethylene glycol | X |

Legend

NPRI - National Pollutant Release Inventory

Canadian Provincial OEL

| Component | Canada - Alberta - Occupational Exposure Limits - Carcinogens | Canada - Alberta - Occupational Exposure Limits - Designated Substances | Canada - Alberta - Occupational Exposure Limits - Simple Asphyxiants | Canada - Alberta - Occupational Exposure Limits - Skin Notations | Canada - Alberta - Occupational Exposure Limits - STELs | Canada - Alberta - Occupational Exposure Limits - TWAs |
|--|---|---|--|--|---|--|
| Titanium Dioxide 13463-67-7 (1-5) | - | - | - | - | - | 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | A2 - Suspected Human Carcinogen | - | - | - | - | 0.025 mg/m ³ TWA |

| Component | Canada - British Columbia - Occupational Exposure Limits - Carcinogens | Canada - British Columbia - Occupational Exposure Limits - Designated Substances | Canada - British Columbia - Occupational Exposure Limits - Sensitizers | Canada - British Columbia - Occupational Exposure Limits - Simple Asphyxiants | Canada - British Columbia - Occupational Exposure Limits - Skin Notations | Canada - British Columbia - Occupational Exposure Limits - STELs | Canada - British Columbia - Occupational Exposure Limits - Substances with Reproductive Critical Effects | Canada - British Columbia - Occupational Exposure Limits - TWAs |
|--|--|--|--|---|---|--|--|---|
| Titanium Dioxide 13463-67-7 (1-5) | IARC Category 2B - Possible Human Carcinogen | IARC Category 2B - Possible Human Carcinogen | - | - | - | - | - | 10 mg/m ³ TWA 3 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | ACGIH Category A2 - Suspected Human Carcinogen IARC Category 1 - Human Carcinogen | ACGIH Category A2 - Suspected Human Carcinogen IARC Category 1 - Human Carcinogen | - | - | - | - | - | 0.025 mg/m ³ TWA |
| Ethylene glycol 107-21-1 (1-5) | - | - | - | - | - | - | - | 10 mg/m ³ TWA |

| Component | Canada - Manitoba - Occupational Exposure Limits - Carcinogens | Canada - Manitoba - Occupational Exposure Limits - Simple Asphyxiants | Canada - Manitoba - Occupational Exposure Limits - Skin Notations | Canada - Manitoba - Occupational Exposure Limits - STELs | Canada - Manitoba - Occupational Exposure Limits - TWAs |
|--|--|---|---|--|---|
| Titanium Dioxide 13463-67-7 (1-5) | A4 Not Classifiable as a Human Carcinogen | - | - | - | 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | A2 Suspected Human Carcinogen | - | - | - | 0.025 mg/m ³ TWA |
| Ethylene glycol 107-21-1 (1-5) | A4 Not Classifiable as a Human Carcinogen | - | - | - | - |

| Component | Canada - New Brunswick - Occupational Exposure Limits - Carcinogens | Canada - New Brunswick - Occupational Exposure Limits - Simple Asphyxiants | Canada - New Brunswick - Occupational Exposure Limits - Skin Notations | Canada - New Brunswick - Occupational Exposure Limits - STELs | Canada - New Brunswick - Occupational Exposure Limits - TWAs |
|--|---|--|--|---|--|
| Titanium Dioxide 13463-67-7 (1-5) | A4 - Not Classifiable as a Human Carcinogen | - | - | - | 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | - | - | - | - | 0.1 mg/m ³ TWA |
| Ethylene glycol 107-21-1 (1-5) | A4 - Not Classifiable as a Human Carcinogen | - | - | - | - |

| Component | Canada - Newfoundland & Labrador - Occupational Exposure Limits - Sensitizers | Canada - Newfoundland & Labrador - Occupational Exposure Limits - Skin Notations | Canada - Newfoundland & Labrador - Occupational Exposure Limits - STELs | Canada - Newfoundland & Labrador - Occupational Exposure Limits - TWAs | Canada - Northwest Territories - Occupational Exposure Limits - Skin Notations | Canada - Northwest Territories - Occupational Exposure Limits - STELs | Canada - Northwest Territories - Occupational Exposure Limits - TWAs |
|--|---|--|---|--|--|---|--|
| Titanium Dioxide 13463-67-7 (1-5) | - | - | - | 10 mg/m ³ TWA | - | - | 5 mg/m ³ TWA 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | - | - | - | 0.025 mg/m ³ TWA | - | - | 0.1 mg/m ³ TWA 0.3 mg/m ³ TWA |
| Ethylene glycol 107-21-1 (1-5) | - | - | - | - | - | 20 mg/m ³ STEL | 10 ppm TWA |

| Component | Canada - Nova Scotia - Occupational Exposure Limits - Carcinogens | Canada - Nova Scotia - Occupational Exposure Limits - Sensitizers | Canada - Nova Scotia - Occupational Exposure Limits - Simple Asphyxiants | Canada - Nova Scotia - Occupational Exposure Limits - Skin Notations | Canada - Nova Scotia - Occupational Exposure Limits - STELs | Canada - Nova Scotia - Occupational Exposure Limits - TWAs | Canada - Nunavut - Occupational Exposure Limits - Skin Notations | Canada - Nunavut - Occupational Exposure Limits - STELs | Canada - Nunavut - Occupational Exposure Limits - TWAs |
|--|---|---|--|--|---|--|--|---|--|
| Titanium Dioxide 13463-67-7 (1-5) | A4 Not Classifiable as a Human Carcinogen | - | - | - | - | 10 mg/m ³ TWA | - | - | 5 mg/m ³ TWA 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | A2 Suspected Human Carcinogen | - | - | - | - | 0.025 mg/m ³ TWA | - | - | 0.1 mg/m ³ TWA 0.3 mg/m ³ TWA |
| Ethylene glycol 107-21-1 (1-5) | A4 Not Classifiable as a Human Carcinogen | - | - | - | - | - | - | 20 mg/m ³ STEL | 10 mg/m ³ TWA |

| Component | Canada - Ontario - Occupational Exposure Limits - Designated Substances | Canada - Ontario - Occupational Exposure Limits - Simple Asphyxiants | Canada - Ontario - Occupational Exposure Limits - Skin Notations | Canada - Ontario - Occupational Exposure Limits - STELs | Canada - Ontario - Occupational Exposure Limits - TWAs | Canada - Prince Edward Island - Occupational Exposure Limits - STELs | Canada - Prince Edward Island - Occupational Exposure Limits - TWAs |
|--|---|--|--|---|--|--|---|
| Titanium Dioxide 13463-67-7 (1-5) | - | - | - | - | 10 mg/m ³ TWA | - | 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | 0.10 mg/m ³ TWA | - | - | - | 0.10 mg/m ³ TWA | - | 0.025 mg/m ³ TWA |

| Component | Canada - Quebec - Occupational Exposure Limits - Carcinogens | Canada - Quebec - Occupational Exposure Limits - Sensitizers | Canada - Quebec - Occupational Exposure Limits - Simple Asphyxiants | Canada - Quebec - Occupational Exposure Limits - Skin Designations | Canada - Quebec - Occupational Exposure Limits - STELs | Canada - Quebec - Occupational Exposure Limits - Substances Whose Exposure Should Be Controlled | Canada - Quebec - Occupational Exposure Limits - TWA EVs |
|--|--|--|---|--|--|---|--|
| Titanium Dioxide 13463-67-7 (1-5) | - | - | - | - | - | - | 10 mg/m ³ TWA EV |
| Silica, Quartz 14808-60-7 (1-5) | C2 carcinogen - effect suspected in humans | - | - | - | - | Present | 0.1 mg/m ³ TWA EV |

| Component | Canada - Saskatchewan - Occupational Exposure Limits - Designated Chemical Substances | Canada - Saskatchewan - Occupational Exposure Limits - Notifiable Chemical and Biological Substances | Canada - Saskatchewan - Occupational Exposure Limits - Sensitizers | Canada - Saskatchewan - Occupational Exposure Limits - Skin Designations | Canada - Saskatchewan - Occupational Exposure Limits - STELs | Canada - Saskatchewan - Occupational Exposure Limits - TWAs | Canada - Yukon - Occupational Exposure Limits - Carcinogens | Canada - Yukon - Occupational Exposure Limits - Maximum Acceptable Body Burdens | Canada - Yukon - Occupational Exposure Limits - Simple Asphyxiants | Canada - Yukon - Occupational Exposure Limits - Skin Notations | Canada - Yukon - Occupational Exposure Limits - STELs | Canada - Yukon - Occupational Exposure Limits - TWAs |
|--|---|--|--|--|--|---|---|---|--|--|---|--|
| Titanium Dioxide 13463-67-7 (1-5) | - | - | - | - | 20 mg/m ³ STEL | 10 mg/m ³ TWA | - | - | - | - | 20 mg/m ³ STEL | 30 mppcf TWA 10 mg/m ³ TWA |
| Silica, Quartz 14808-60-7 (1-5) | - | - | - | - | - | 0.05 mg/m ³ TWA | - | - | - | - | - | 300 particle/mL TWA |

| | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|--|---|
| Ethylene glycol 107-21-1 (1-5) | - | - | - | - | - | - | - | - | - | - | 10 ppm STEL 20 mg/m ³ STEL 125 ppm STEL 325 mg/m ³ STEL | 10 mg/m ³ TWA 100 ppm TWA 250 mg/m ³ TWA |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|--|---|

16. OTHER INFORMATION

| | | | | | | | | |
|-------------|-----------------------|----------|---------------------|----------|-------------------------|----------|----------------------------|-----------|
| NFPA | Health Hazards | 2 | Flammability | 1 | Stability | 0 | Special Hazards | - |
| HMIS | Health Hazards | 2 | Flammability | 1 | Physical Hazards | 0 | Personal Protection | B- |
| | | | | | | | Safety Glasses, Gloves | |

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Revision Note: New format

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet