SAFETY DATA SHEET

1. Identification

Material name: VULKEM 351 NF GRAY 5 GAL S/S (H)
Material: 852712 805

Recommended use and restriction on use
- Recommended use: Coatings
- Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information
Tremco Canadian Sealants
220 Wicksteed Ave
Toronto ON M4H 1G7
CA

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

2. Hazard(s) identification

Hazard Classification

Health Hazards
- Respiratory sensitizer Category 1
- Skin sensitizer Category 1
- Carcinogenicity Category 1A

Unknown toxicity - Health
- Acute toxicity, oral 20.04 %
- Acute toxicity, dermal 30.86 %
- Acute toxicity, inhalation, vapor 100 %
- Acute toxicity, inhalation, dust or mist 99.56 %

Label Elements

Hazard Symbol:

Signal Word: Danger
Hazard Statement: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause cancer.

Precautionary Statements

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. [In case of inadequate ventilation] wear respiratory protection. Contaminated work clothing should 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.

Response: If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. 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 on this label). Wash contaminated clothing before reuse.

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>1317-65-3</td>
<td>15 - 40%</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>7 - 13%</td>
</tr>
<tr>
<td>Methylene bis (4-cyclohexyl isocyanate)</td>
<td>5124-30-1</td>
<td>0.5 - 1.5%</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
<td>4098-71-9</td>
<td>0.5 - 1.5%</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>0.5 - 1.5%</td>
</tr>
<tr>
<td>Aluminum hydroxide</td>
<td>21645-51-2</td>
<td>0.1 - 1%</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>0.1 - 1%</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand</td>
<td>14808-60-7</td>
<td>0.1 - 1%</td>
</tr>
</tbody>
</table>

* 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: 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: 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: 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 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: Ventilate closed spaces before entering them. Evacuate area. See Section 8 of the SDS for Personal Protective Equipment. Keep upwind. Keep unauthorized personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

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. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. 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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone) - Total dust.</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) - Respirable fraction.</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Titanium dioxide - Respirable fraction.</td>
<td>TWA</td>
<td>15 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Titanium dioxide - Respirable fraction.</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>TWA</td>
<td>50 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Methylene bis (4-cyclohexyl isocyanate)</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>TWA</td>
<td>20 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td>Aluminum hydroxide - Respirable fraction.</td>
<td>TWA</td>
<td>0.8 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td>Aluminum hydroxide - Total</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Aluminum hydroxide</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Type</td>
<td>Exposure Limit Values</td>
<td>Source</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>---------------</td>
<td>-----------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) - Total dust.</td>
<td>STEL</td>
<td>20 mg/m³</td>
<td>Canada, British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07.2007)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada, British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07.2007)</td>
</tr>
<tr>
<td>Compound</td>
<td>TWA</td>
<td>Limit</td>
<td>Source</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------</td>
<td>---------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) -</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td>Respirable fraction.</td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone) -</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality</td>
</tr>
<tr>
<td>Total dust.</td>
<td></td>
<td></td>
<td>of the Work Environment)</td>
</tr>
<tr>
<td>Titanium dioxide - Total dust.</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td>Titanium dioxide - Respirable</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td>fraction.</td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(11 2010)</td>
</tr>
<tr>
<td>Methylene bis (4-cyclohexy</td>
<td>CEILING</td>
<td>0.01 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td>isocyanate)</td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td>Methylene bis (4-cyclohexy</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
</tr>
<tr>
<td>isocyanate)</td>
<td></td>
<td></td>
<td>(06 2015)</td>
</tr>
<tr>
<td></td>
<td>CEV</td>
<td>0.02 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(06 2015)</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td></td>
<td>CEILING</td>
<td>0.01 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
</tr>
<tr>
<td></td>
<td>CEV</td>
<td>0.02 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(06 2015)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical</td>
</tr>
<tr>
<td>Silica Sand - Respirable fraction.</td>
<td></td>
<td></td>
<td>Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/</td>
<td>TWA</td>
<td>0.10 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
</tr>
<tr>
<td>Silica Sand - Respirable fraction.</td>
<td></td>
<td></td>
<td>(06 2015)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality</td>
</tr>
<tr>
<td>Silica Sand - Respirable dust.</td>
<td></td>
<td></td>
<td>of the Work Environment)</td>
</tr>
</tbody>
</table>

**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:** 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:** 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. 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:** liquid
- **Color:** Gray
- **Odor:** Mild petroleum/solvent
- **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:** > 93 °C > 200 °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:** 1.344

**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.
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 cause an allergic skin reaction.
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
- **Methylene bis (4-cyclohexyl isocyanate)**
  - LD 50 (Rat): 9,900 mg/kg
- **Isophorone Diisocyanate**
  - LD 50 (Rat): 4,814 mg/kg
- **Amorphous silica**
  - LD 50 (Rat): > 5,000 mg/kg
- **Aluminum hydroxide**
  - LD 50 (Rat): > 2,000 mg/kg
- **Aluminum oxide**
  - LD 50 (Rat): > 10,000 mg/kg

### Dermal Product:
Not classified for acute toxicity based on available data.

### Specified substance(s):
- **Methylene bis (4-cyclohexyl isocyanate)**
  - LD 50 (Rat): > 7,000 mg/kg
- **Isophorone Diisocyanate**
  - LD 50 (Rat): > 7,000 mg/kg
- **Amorphous silica**
  - LD 50 (Rabbit): > 2,000 mg/kg

### Inhalation Product:
Not classified for acute toxicity based on available data.

### Specified substance(s):
- **Titanium dioxide**
  - LC 50 (Rat): 3.43 mg/l
- **Methylene bis (4-cyclohexyl isocyanate)**
  - LC 50 (Rat): 0.307 mg/l
- **Isophorone Diisocyanate**
  - LC 50 (Rat): 135 - 160 mg/m3
- **Amorphous silica**
  - LC 50 (Rat): > 2.08 mg/l
- **Aluminum hydroxide**
  - LC 50 (Rat): 7.6 mg/l
- **Aluminum oxide**
  - LC 50 (Rat): 7.6 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
- Amorphous silica in vivo (Rabbit): Not irritant Experimental result, Key study
- Aluminum hydroxide in vivo (Rabbit): Not classified as an Irritant Experimental result, Key study
- Aluminum oxide 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
- Amorphous silica Rabbit, 24 hrs: Not irritating
- Aluminum hydroxide Rabbit, 24 hrs: Not irritating
- Aluminum oxide Rabbit, 24 hrs: Not irritating

Respiratory or Skin Sensitization
Product: 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 Evaluation of Carcinogenic Risks to Humans:
- Titanium dioxide Overall evaluation: Possibly carcinogenic to humans.
- Crystalline Silica (Quartz)/ Silica Sand Overall evaluation: Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:
- Crystalline Silica Known To Be Human Carcinogen.
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.

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.
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.

Specified substance(s):

- Methylene bis (4-cyclohexy isocyanate)

Log Kow: 6.11

Mobility in soil:

No data available.

Other adverse effects:

No data available.

### 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

800000051487
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):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene oxide</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Hazard categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delayed (Chronic) Health Hazard</td>
</tr>
<tr>
<td>Immediate (Acute) Health Hazards</td>
</tr>
</tbody>
</table>

SARA 302 Extremely Hazardous Substance

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone Diisocyanate</td>
<td>500 lbs.</td>
<td>500 lbs.</td>
</tr>
<tr>
<td>Propylene oxide</td>
<td>100 lbs.</td>
<td>10000 lbs.</td>
</tr>
</tbody>
</table>

SARA 304 Emergency Release Notification

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone Diisocyanate</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Propylene oxide</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1000 lbs.</td>
</tr>
</tbody>
</table>
SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isophorone Diisocyanate</td>
<td>500lbs</td>
</tr>
<tr>
<td>Propylene oxide</td>
<td>500lbs</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Methylene bis (4-cyclohexyl isocyanate)</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Aluminum hydroxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/ Silica Sand</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene oxide</td>
<td>lbs</td>
</tr>
</tbody>
</table>

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 - www.P65Warnings.ca.gov

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/ Silica Sand</td>
</tr>
</tbody>
</table>

US. Massachusetts RTK - Substance List

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/ Silica Sand</td>
</tr>
<tr>
<td>Propylene oxide</td>
</tr>
</tbody>
</table>

US. Pennsylvania RTK - Hazardous Substances

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
</tr>
</tbody>
</table>
US. Rhode Island RTK

Chemical Identity
Calcium Carbonate (Limestone)
Titanium dioxide

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

VOC: When appropriately mixed with the other part, product has a VOC less water and exempt solvent of:
91 g/l

Regulatory VOC (less water and exempt solvent) : 91 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: 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.

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

Revision Date: 07/21/2018
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.