SAFETY DATA SHEET

1. Identification

Material name: VULKEM 351 MAPLE
Material: 875717 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

Physical Hazards
  Flammable liquids Category 3

Health Hazards
  Serious Eye Damage/Eye Irritation Category 2B
  Respiratory sensitizer Category 1
  Skin sensitizer Category 1
  Carcinogenicity Category 2

Unknown toxicity - Health
  Acute toxicity, oral 15.86 %
  Acute toxicity, dermal 30.25 %
  Acute toxicity, inhalation, vapor 99.9 %
  Acute toxicity, inhalation, dust or mist 99.55 %

Environmental Hazards
  Acute hazards to the aquatic environment Category 3

Unknown toxicity - Environment
  Acute hazards to the aquatic environment 62.8 %
  Chronic hazards to the aquatic environment 100 %

Label Elements

Hazard Symbol:
Signal Word: Danger

Hazard Statement: Flammable liquid and vapor.
Causes eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
Harmful to aquatic life.

Precautionary Statement:
Prevention:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. [In case of inadequate ventilation] wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace. 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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. In case of fire: Use ... to extinguish.

Storage:
Store in well-ventilated place. Keep cool. 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:
Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
</tr>
</thead>
</table>

000000004677
### 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:
Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. 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, acute and delayed

**Symptoms:** Respiratory tract irritation.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Symptoms may be delayed.

### 5. Fire-fighting measures

**General Fire Hazards:**
Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.
Specific hazards arising from the chemical:

Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:

No data available.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Evacuate area. See Section 8 of the SDS for Personal Protective Equipment. 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.

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. Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities:

Store locked up. Store in a well-ventilated place. Store in a cool place.

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>Xylene</td>
<td>TWA</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values</td>
</tr>
<tr>
<td>Substance</td>
<td>Type</td>
<td>Value</td>
<td>Source</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>------------</td>
<td>-----------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>STEL</td>
<td>STEL</td>
<td>150 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>PEL</td>
<td>PEL</td>
<td>100 ppm</td>
<td>435 mg/m³ US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Talc - Respirable fraction.</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Talc</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>Talc - Respirable.</td>
<td>TWA</td>
<td>2.4 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td>Talc - Total dust.</td>
<td>TWA</td>
<td>0.3 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA</td>
<td>0.8 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>Ethylbenzene</td>
<td>TWA</td>
<td>20 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm</td>
<td>435 mg/m³ US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</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></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>Iron oxide - Respirable fraction.</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Iron oxide - Fume.</td>
<td>PEL</td>
<td>10 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Dibutyl tin dilaurate - as Sn</td>
<td>STEL</td>
<td>0.2 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>0.1 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Aluminum hydroxide - Respirable fraction.</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Aluminum oxide - Respirable fraction.</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></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>Chemical name</td>
<td>type</td>
<td>Exposure Limit Values</td>
<td>Source</td>
</tr>
<tr>
<td>-------------------------------</td>
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<td>-----------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Aluminum oxide - 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>Magnesite - 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>Magnesite - 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>Isophorone Diisocyanate</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Xylene</td>
<td>TWA</td>
<td>100 ppm</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>STEL</td>
<td>150 ppm</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>Xylene</td>
<td>TWAEDV</td>
<td>100 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Xylene</td>
<td>TWA</td>
<td>100 ppm 434 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)</td>
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<tr>
<td></td>
<td>STEL</td>
<td>150 ppm 651 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)</td>
</tr>
<tr>
<td>Chemical</td>
<td>Exposure Type</td>
<td>Limit Type</td>
<td>Limit</td>
</tr>
<tr>
<td>---------------------</td>
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<td>------------</td>
<td>-------</td>
</tr>
<tr>
<td>Talc</td>
<td>- Respirable</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>particles.</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Talc</td>
<td>- Respirable</td>
<td>TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>dust.</td>
<td>TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>- Total dust.</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>- Respirable</td>
<td>TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>fraction.</td>
<td>TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>- Total dust.</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>TWA</td>
<td></td>
<td>20 ppm</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>STEL</td>
<td></td>
<td>125 ppm</td>
</tr>
<tr>
<td></td>
<td>TWAEV</td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>TWA</td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td></td>
<td>125 ppm</td>
</tr>
<tr>
<td>Chemical Identity</td>
<td>Exposure Limit Values</td>
<td>Source</td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------</td>
<td>------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Xylene (Methylhippuric acids: Sampling time: End of shift.)</td>
<td>1.5 g/g (Creatinine in urine)</td>
<td>ACGIH BEL (03 2013)</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)</td>
<td>0.15 g/g (Creatinine in urine)</td>
<td>ACGIH BEL (02 2014)</td>
<td></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 explosion-proof ventilation equipment. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**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. When using do not smoke. 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: Brown
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: 121 °C 250 °F
Flash Point: 27 °C 80 °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: 1.17
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: Heat, sparks, flames.


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: Causes mild skin irritation. May cause an allergic skin reaction.

Eye contact: Causes eye irritation.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: ATEmix: 12,804.83 mg/kg

Dermal Product: No data available.

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):
- Xylene in vivo (Rabbit, 24 hrs): Moderately irritating
- Titanium dioxide in vivo (Rabbit, 24 - 72 hrs): Not irritating
- Ethylbenzene Irritating
- Amorphous silica in vivo (Rabbit, 24 hrs): Not irritating
- Iron oxide in vivo (Rabbit, 1 - 72 hrs): Not irritating
- Dibutyl tin dilaurate in vivo (Rabbit, 24 hrs): Highly irritating
- Aluminum hydroxide in vivo (Rabbit, 24 hrs): Not irritating
- Aluminum oxide in vivo (Rabbit, 24 hrs): Not irritating
- Magnesite In vitro (Reconstituted Corneal Epithelium model, 10 min): Not irritating
- Isophorone Diisocyanate in vivo (Rabbit, 24 - 72 hrs): Category 1

Respiratory or Skin Sensitization
Product: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitization by inhalation.

Carcinogenicity
Product: Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
- Talc Overall evaluation: Not classifiable as to carcinogenicity to humans. Overall evaluation: Possibly carcinogenic to humans.
- Titanium dioxide Overall evaluation: Possibly carcinogenic to humans.
- Ethylbenzene Overall evaluation: Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens: 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):
Xylene
LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13.41 mg/l Mortality
Titanium dioxide
LC 50 (Mummichog (Fundulus heteroclitus), 96 h): > 1,000 mg/l Mortality
Ethylbenzene
LC 50 (Bluegill (Lepomis macrochirus), 24 h): 70 - 149 mg/l Mortality
LC 50 (Bluegill (Lepomis macrochirus), 24 h): 112 - 170 mg/l Mortality
LC 50 (Bluegill (Lepomis macrochirus), 24 h): 113 - 162 mg/l Mortality
LC 50 (Bluegill (Lepomis macrochirus), 24 h): 112 - 170 mg/l Mortality
LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 24 h): 11 - 18 mg/l Mortality
Dibutyl tin dilaurate
LC 50 (Ide, silver or golden orfe (Leuciscus idus), 48 h): 2 mg/l Mortality

Aquatic Invertebrates

Product: No data available.

Specified substance(s):
Xylene
LC 50 (Water flea (Daphnia magna), 24 h): > 100 - 1,000 mg/l Mortality
Titanium dioxide
EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication
Ethylbenzene
EC 50 (Water flea (Daphnia magna), 24 h): 1.47 - 2.18 mg/l Intoxication
EC 50 (Water flea (Daphnia magna), 24 h): 1.51 - 2.14 mg/l Intoxication
EC 50 (Water flea (Daphnia magna), 24 h): 1.63 - 2.28 mg/l Intoxication
EC 50 (Water flea (Daphnia magna), 24 h): 2.2 mg/l Intoxication
EC 50 (Water flea (Daphnia magna), 24 h): 1.53 - 3.17 mg/l Intoxication
Dibutyl tin dilaurate
EC 50 (Water flea (Daphnia magna), 24 h): 0.66 mg/l Intoxication

Chronic hazards to the aquatic environment:
Fish
Product: No data available.

Specified substance(s):
Xylene
NOAEL (Oncorhynchus mykiss, 56 d): > 1.3 mg/l experimental result
Titanium dioxide
LC 0 (Coregonus autumnalis migratorius G., 30 d): 3 mg/l experimental result
Iron oxide
LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result
Aluminum hydroxide
LOAEL (Pimephales promelas, 28 d): 53.8 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-octanol / water (log Kow)
Product: No data available.

Specified substance(s):
Xylene
Log Kow: 3.12 - 3.20
Ethylbenzene
Log Kow: 3.15
Dibutyl tin dilaurate
Log Kow: 3.12

Mobility in Soil:
No data available.

Other Adverse Effects:
Harmful 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:

UN1263, PAINT, 3, PG III

CFR / DOT:

UN1263, Paint, 3, PG III

IMDG:

UN1263, PAINT, 3, PG III

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)
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>Xylene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Toluene</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Chromium</td>
<td>5000 lbs.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

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>
</tbody>
</table>
SARA 304 Emergency Release Notification

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>100 lbs</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1000 lbs</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
<td>1000 lbs</td>
</tr>
<tr>
<td>Toluene</td>
<td>1000 lbs</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>1000 lbs</td>
</tr>
<tr>
<td>Chromium</td>
<td>5000 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>500 lbs</td>
</tr>
<tr>
<td>Xylene</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Talc</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Dibutyl tin dilaurate</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Aluminum hydroxide</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Magnesite</td>
<td>500 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
</tr>
<tr>
<td>Ethylbenzene</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
</tr>
<tr>
<td>Talc</td>
</tr>
<tr>
<td>Titanium dioxide</td>
</tr>
<tr>
<td>Ethylbenzene</td>
</tr>
</tbody>
</table>

US. Massachusetts RTK - Substance List

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
</tr>
<tr>
<td>Talc</td>
</tr>
<tr>
<td>Titanium dioxide</td>
</tr>
<tr>
<td>Ethylbenzene</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)/ Silica Sand</td>
</tr>
<tr>
<td>Chromium</td>
</tr>
</tbody>
</table>
US. Pennsylvania RTK - Hazardous Substances

**Chemical Identity**
- Xylene
- Talc
- Titanium dioxide
- Ethylbenzene

US. Rhode Island RTK

**Chemical Identity**
- Xylene
- Ethylbenzene

**Other Regulations:**

**Regulatory VOC (less water and exempt solvent):** 322 g/l
**VOC Method 310:** 27.46%

**Inventory Status:**
- Australia AICS: One or more components in this product are not listed on or exempt from the Inventory.
- Canada DSL Inventory List: One or more components in this product are not 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: 07/29/2015
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.