SAFETY DATA SHEET

1. Identification

Material name: TREMPROOF 250 GC-T 2 GAL PAIL
Material: 304508A 802

Recommended use and restriction on use

Recommended use: Sealant
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information
Tremco U.S Sealants
3735 Green Road
Beachwood OH 44122
US

Contact person: EH&S Department
Telephone: 216-292-5000
Emergency telephone number: 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
Respiratory sensitizer Category 1
Skin sensitizer Category 1
Carcinogenicity Category 1A

Unknown toxicity - Health
Acute toxicity, oral 20.61 %
Acute toxicity, dermal 29.24 %
Acute toxicity, inhalation, vapor 99.8 %
Acute toxicity, inhalation, dust or mist 55.88 %

Environmental Hazards
Acute hazards to the aquatic environment Category 3

Unknown toxicity - Environment
Acute hazards to the aquatic environment 89.36 %
Chronic hazards to the aquatic environment 100 %
Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement:
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause cancer.
Harmful to aquatic life.

Precautionary Statements

Prevention:
Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. [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: 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. Call a POISON CENTER/doctor if you feel unwell. 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>
</table>

000000017261
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: 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: 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 protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures: No data available.

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

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

8. Exposure controls/personal protection

Control Parameters

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor</td>
<td>TWA</td>
<td>200 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air</td>
</tr>
<tr>
<td>Contaminants (29 CFR 1910.1000) (02 2006)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>-----------------</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>Carbon Black - Inhalable fraction.</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>PEL</td>
<td>3.5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Polyvinyl chloride - Respirable fraction.</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>OSHA_AC T</td>
<td>0.5 ppm</td>
<td>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)</td>
</tr>
<tr>
<td>Polyvinyl chloride - 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>Polyvinyl chloride - 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>Polyvinyl chloride - Respirable fraction.</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) (2000)</td>
</tr>
<tr>
<td>Polyvinyl chloride - Total dust.</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)</td>
</tr>
<tr>
<td>Polyvinyl chloride - 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) (2000)</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Xylene</td>
<td>STEL</td>
<td>150 ppm</td>
<td>655 mg/m³</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>100 ppm</td>
<td>435 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>655 mg/m³</td>
</tr>
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<td></td>
<td>REL</td>
<td>100 ppm</td>
<td>435 mg/m³</td>
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<td></td>
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<td>100 ppm</td>
<td>435 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>655 mg/m³</td>
</tr>
<tr>
<td></td>
<td>ST ESL</td>
<td>350 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (2011)</td>
</tr>
<tr>
<td></td>
<td>ST ESL</td>
<td>80 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (2011)</td>
</tr>
<tr>
<td></td>
<td>AN ESL</td>
<td>42 ppb</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (2011)</td>
</tr>
<tr>
<td></td>
<td>AN ESL</td>
<td>180 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (2011)</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Type</td>
<td>Exposure Limit Values</td>
<td>Source</td>
</tr>
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<td>---------------</td>
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<td>--------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor</td>
<td>TWA</td>
<td>200 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>Petroleum distillates</td>
<td>TWA</td>
<td>525 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor</td>
<td>TWA</td>
<td>200 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor</td>
<td>TWA</td>
<td>200 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</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>Calcium Carbonate (Limestone) - Total dust.</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>Substance</td>
<td>Type</td>
<td>Exposure Limit</td>
<td>Source</td>
</tr>
<tr>
<td>---------------------------------</td>
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<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 Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</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 of the Work Environment) (09 2017)</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)</td>
</tr>
<tr>
<td>Polyvinyl chloride - Resin.</td>
<td>TWA</td>
<td>1 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>Polyvinyl chloride - Total dust.</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>TWA</td>
<td>2 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>Calcium oxide</td>
<td>TWA</td>
<td>2 mg/m³</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</td>
<td>Canada. Alberta OELs (Occupational Health &amp; Safety Code, Schedule 1, Table 2) (07 2009)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>Canada. Alberta OELs (Occupational Health &amp; Safety Code, Schedule 1, Table 2) (07 2009)</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>
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<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>
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<tr>
<td>Xylene</td>
<td>TWA</td>
<td>100 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
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<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>STEL</td>
<td>150 ppm</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</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 Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td></td>
<td>CEILING</td>
<td>0.01 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>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 BEI (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 BEI (02 2014)</td>
<td></td>
</tr>
</tbody>
</table>

**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:** 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: solid
- Form: Paste
- Color: Dark 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: 54 °C 130 °F (Setaflash Closed Cup)
- Evaporation rate: Slower than n-Butyl Acetate
- 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: 1.11

Solubility(ies)
- Solubility in water: Insoluble in water
- 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. Amines. 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: Causes mild skin irritation. 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.
<table>
<thead>
<tr>
<th>Specified substance(s):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic process oil</td>
<td>LD 50 (Rat): 4,320 mg/kg</td>
</tr>
<tr>
<td>Petroleum distillates</td>
<td>LD 50 (Rat): &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>LD 50 (Rat): &gt; 8,000 mg/kg</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>LD 50 (Rat): 790 mg/kg</td>
</tr>
<tr>
<td>Xylene</td>
<td>LD 50 (Rat): 3,523 mg/kg</td>
</tr>
<tr>
<td>Isophorone Diisocyanate</td>
<td>LD 50 (Rat): 4,814 mg/kg</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>LD 50 (Rat): 3,500 mg/kg</td>
</tr>
<tr>
<td>Hydrotreated heavy naphthenic distillate</td>
<td>LD 50 (Rat): &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Nonane</td>
<td>LD 50 (Rat): &gt; 5,000 mg/kg</td>
</tr>
</tbody>
</table>

**Dermal Product:**
ATEmix: 6,057.09 mg/kg

**Inhalation Product:**
ATEmix: 4.59 mg/l

**Repeated dose toxicity Product:**
No data available.

**Skin Corrosion/Irritation Product:**
No data available.

Specified substance(s):
Petroleum distillates in vivo (Rabbit): Irritating  Experimental result, Key study
Carbon Black in vivo (Rabbit): Not irritant  Experimental result, Key study
Calcium oxide in vivo (Rabbit): Irritating  Read-across from supporting substance (structural analogue or surrogate), Key study
Xylene in vivo (Rabbit): Moderate irritant  Experimental result, Weight of Evidence study
Hydrotreated heavy naphthenic distillate in vivo (Rabbit): Not irritant  Experimental result, Key study
Nonane in vivo (Rabbit): Irritating  Read-across based on grouping of substances (category approach), Key study

Serious Eye Damage/Eye Irritation
Product: No data available.
Specified substance(s):
- Petroleum distillates: Rabbit, 24 - 72 hrs: Not irritating
- Carbon Black: Rabbit, 24 - 72 hrs: Not irritating
- Xylene: Rabbit, 24 hrs: Moderately irritating
- Ethylbenzene: Rabbit, 7 d: Slightly irritating
- Hydrotreated heavy naphthenic distillate: Rabbit, 24 hrs: Not irritating
- Nonane: Rabbit, 24 - 72 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:

Aromatic process oil
Overall evaluation: Possibly carcinogenic to humans.

Carbon Black
Overall evaluation: Possibly carcinogenic to humans.

Ethylbenzene
Overall evaluation: Possibly carcinogenic to humans.

Hydrotreated heavy naphthenic distillate
Overall evaluation: Not classifiable as to carcinogenicity to humans. Overall evaluation: Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:
Hydrotreated heavy naphthenic distillate
Known To Be Human Carcinogen.

Polyvinyl chloride
Cancer

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):**
- Petroleum distillates: LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 96 h): 2.9 mg/l Mortality
- Xylene: LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13.41 mg/l Mortality
- Ethylbenzene: LC 50 (Rainbow trout, donaldson trout (Oncorhynchus mykiss), 96 h): 4.2 mg/l Mortality

**Aquatic Invertebrates**

Product: No data available.

**Specified substance(s):**
- Ethylbenzene: EC 50 (Water flea (Daphnia magna), 48 h): 1.37 - 4.4 mg/l Intoxication

Chronic hazards to the aquatic environment:

**Fish**

Product: No data available.

**Specified substance(s):**
- Aromatic process oil: NOAEL (Oncorhynchus mykiss, 28 d): 0.1 mg/l QSAR QSAR, Key study
- Hydrotreated heavy naphthenic distillate: NOAEL (Oncorhynchus mykiss, 14 d): >= 1,000 mg/l QSAR QSAR, 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.

Specified substance(s):
- Xylene: Log Kow: 3.12 - 3.20
- Ethylbenzene: Log Kow: 3.15
- Nonane: Log Kow: 5.46

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: Not Regulated

CFR / DOT: Not Regulated

IMDG:
UN1139, COATING SOLUTION, 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)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>OSHA hazard(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyvinyl chloride</td>
<td>Blood</td>
</tr>
<tr>
<td></td>
<td>Liver</td>
</tr>
<tr>
<td></td>
<td>Cancer</td>
</tr>
<tr>
<td></td>
<td>Flammability</td>
</tr>
<tr>
<td></td>
<td>Central nervous system</td>
</tr>
</tbody>
</table>

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>Nonane</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Chrysene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>1 lbs.</td>
</tr>
<tr>
<td>Toluene</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Methanol</td>
<td>5000 lbs.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- 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>Isophorone Diisocyanate</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Nonane</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Chrysene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>1 lbs.</td>
</tr>
<tr>
<td>Toluene</td>
<td>1000 lbs.</td>
</tr>
<tr>
<td>Methanol</td>
<td>5000 lbs.</td>
</tr>
</tbody>
</table>
SARA 311/312 Hazardous Chemical

**Chemical Identity** | **Threshold Planning Quantity**
---|---
Isophorone Diisocyanate | 500lbs
Aromatic process oil | 10000 lbs
Petroleum distillates | 10000 lbs
Calcium Carbonate (Limestone) | 10000 lbs
Carbon Black | 10000 lbs
Polyvinyl chloride | 10000 lbs
Calcium oxide | 10000 lbs
Xylene | 10000 lbs
Ethylbenzene | 10000 lbs
Hydrotreated heavy naphthenic distillate | 10000 lbs
Nonane | 10000 lbs

SARA 313 (TRI Reporting)

**Chemical Identity**
Ethylbenzene

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**
- Petroleum distillates
- Calcium Carbonate (Limestone)
- Carbon Black
- Polyvinyl chloride
- Calcium oxide
- Ethylbenzene
- Hydrotreated heavy naphthenic distillate

**US. Massachusetts RTK - Substance List**

**Chemical Identity**
- Petroleum distillates
- Calcium Carbonate (Limestone)
- Carbon Black
- Calcium oxide
- Isophorone Diisocyanate
- Chrysene
- Benzo(a)pyrene
- Crystalline Silica (Quartz)/ Silica Sand
US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
Petroleum distillates
Calcium Carbonate (Limestone)
Carbon Black
Calcium oxide

US. Rhode Island RTK

Chemical Identity
Petroleum distillates
Calcium Carbonate (Limestone)
Carbon Black
Polyvinyl chloride
Calcium 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) : 157 g/l
VOC Method 310 : 14.16 %
**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.

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**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.