Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier
Product Name
- EZ TPO Cut Edge Sealant Tan

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified use(s)
- Construction

1.3 Details of the supplier of the safety data sheet
Manufacturer
- Firestone Building Products Company
  250 West 96th Street
  Indianapolis, IN 46260
  United States
  genflexmsds@bfdp.com
  Telephone (General)
  800-428-4442

1.4 Emergency telephone number
Manufacturer
- (800) 424-9300 - CHEMTREC
- (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture
CLP
- Flammable Liquids 3 - H226
  Aspiration 1 - H304
  Skin Irritation 2 - H315
  Acute Toxicity Inhalation 4 - H332

DSD/DPD
- Flammable
  Harmful (Xn)
  Irritant (Xi)
  R10, R20/21, R38, R65

2.2 Label Elements
CLP
DANGER

Hazard statements
- H226 - Flammable liquid and vapour
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
Precautionary statements

**Prevention**
- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground and/or bond container and receiving equipment.
- P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P261 - Avoid breathing mist/vapours/spray.
- P264 - Wash thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response**
- P370+P378 - In case of fire: Use appropriate media for extinction.
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P321 - Specific treatment, see supplemental first aid information.
- P362 - Take off contaminated clothing and wash before reuse.
- P331 - If skin irritation occurs: Get medical advice/attention.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331 - Do NOT induce vomiting.

**Storage/Disposal**
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- P235 - Keep cool.
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Supplemental information**
- 22.5 percent of this product consists of an ingredient of unknown toxicity.

**DSD/DPD**

**Risk phrases**
- R10 - Flammable.
- R20/21 - Harmful by inhalation and in contact with skin.
- R38 - Irritating to skin.
- R65 - Harmful: may cause lung damage if swallowed.

**Safety phrases**
- S36 - Wear suitable protective clothing.

### 2.3 Other Hazards

**CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

**DSD/DPD**
- According to European Directive 1999/45/EC this material is considered dangerous.

### United States (US)

According to OSHA 29 CFR 1910.1200 HCS

#### 2.1 Classification of the substance or mixture

**OSHA HCS 2012**
- Flammable Liquids 3 - H226
- Aspiration 1 - H304
- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Acute Toxicity Inhalation 4 - H332
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
- Reproductive Toxicity 2 - H361

#### 2.2 Label elements
OSHA HCS 2012

DANGER

Hazard statements
- Flammable liquid and vapour - H226
- May be fatal if swallowed and enters airways - H304
- Causes skin irritation - H315
- Causes serious eye irritation - H319
- Harmful if inhaled - H332
- May cause respiratory irritation - H335
- May cause drowsiness or dizziness - H336
- Suspected of damaging fertility or the unborn child. - H361

Precautionary statements

Prevention
- Obtain special instructions before use. - P201
- Do not handle until all safety precautions have been read and understood. - P202
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210
- Keep container tightly closed. - P233
- Ground and/or bond container and receiving equipment. - P240
- Use explosion-proof electrical/ventilating/lighting/equipment. - P241
- Use only non-sparking tools. - P242
- Take precautionary measures against static discharge. - P243
- Avoid breathing mist/vapours/spray. - P261
- Wash thoroughly after handling. - P264
- Use only outdoors or in a well-ventilated area. - P271
- Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response
- In case of fire: Use appropriate media for extinction. - P370+P378
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
- Call a POISON CENTER or doctor/physician if you feel unwell. - P312
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
- Specific treatment, see supplemental first aid information. - P321
- Wash with plenty of soap and water. - P352
- Take off contaminated clothing and wash before reuse. - P362
- If skin irritation occurs: Get medical advice/attention. - P332+P313
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
- If eye irritation persists: Get medical advice/attention. - P337+P313
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. - P301+P310
- Do NOT induce vomiting. - P331
- IF exposed or concerned: Get medical advice/attention. - P308+P313

Storage/Disposal
- Store in a well-ventilated place. Keep container tightly closed. - P403+P233
- Keep cool. - P235
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

Supplemental information
- 22.5 percent of this product consists of an ingredient of unknown toxicity.

2.3 Other hazards

OSHA HCS 2012

Canada
According to WHMIS

2.1 Classification of the substance or mixture

WHMIS
- Flammable Liquids - B2
- Other Toxic Effects - D2A
Other Toxic Effects - D2B

2.2 Label elements
WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.3 Other hazards
WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
</table>
| Xylene        | CAS:1330-20-7
EC Number:215-535-7 | 25% TO 50% | Ingestion/Oral-Rat LD50 • 4300 mg/kg
Inhalation-Rat LC50 • 5000 ppm 4 Hour(s)
Skin-Rabbit LD50 • 1700 mg/kg | EU DSD/DPD: Annex I: R10 Xn;
R20/21 Xi; R38
EU CLP: Annex VI: Flam. Liq. 3,
H225; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315
OSHA HCS 2012: Flam. Liq. 3;
Acute Tox. 4 (skin); Acute Tox 4 (inhl); Eye Irrit. 2, Skin Irrit. 2, Repr. 2;
STOT SE 3: Resp. Irrit. & Narc | NDA |
| Ethylbenzene  | CAS:100-41-4
EC Number:202-849-4 | 5% TO 20% | Skin-Rabbit LD50 • 17800 µL/kg
Ingestion/Oral-Rat LD50 • 3500 mg/kg
Inhalation-Rat LC50 • 55000 mg/m³ 2 Hour(s) | EU DSD/DPD: Annex I: F; R11 Xn;
R20
EU CLP: Annex VI: Flam. Liq. 2,
H225; Acute Tox. 4*, H332
OSHA HCS 2012: Flam. Liq. 2;
Eye Irrit. 2A; Carc. 2; Acute Tox. 4 (inhl); Repr. 2;
STOT SE 3: Resp. Irrit. & Narc | NDA |
| Distillates (petroleum), hydrotreated light | CAS:64742-47-8
EC Number:265-149-8 | 5% TO 20% | NDA | EU DSD/DPD: Annex I: Xn; R65
EU CLP: Annex VI: Asp. Tox. 1;
H304
OSHA HCS 2012: Flam. Liq. 4;
Asp. Tox. 1 | NDA |
Titanium dioxide

<table>
<thead>
<tr>
<th>CAS: 13463-67-7</th>
<th>EC Number: 236-675-5</th>
<th>EU DSD/DPD: Self Classified: Carc. 3 R40</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDA &lt;= 2.5%</td>
<td>EU CLP: Self Classified: Carc. 2, H351</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Carc. 2</td>
<td></td>
</tr>
</tbody>
</table>

Titanium dioxide is carcinogenic if inhaled. It is not expected to be released from this product under normal conditions of use therefore carcinogenic effects from this component are not expected.

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

**Skin**

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye**

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion**

- Get medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

#### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### Section 5 - Firefighting Measures

#### 5.1 Extinguishing media

**Suitable Extinguishing Media**

- LARGE FIRES: Water spray, fog or alcohol-resistant foam.
- SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

**Unsuitable Extinguishing Media**

- Do not use a direct stream of water.

#### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards**

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated.
- Vapor explosion hazard indoors, outdoors or in sewers.
- Many liquids are lighter than water.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Runoff to sewer may create fire or explosion hazard.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Dried solids can burn and release toxic fumes and vapors.

**Hazardous Combustion Products**

- No data available

#### 5.3 Advice for firefighters

- No action shall be taken involving any personal risk or without suitable training.
- Move containers from fire area if you can do it without risk.
- Structural firefighters’ protective clothing will only provide limited protection.
- Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Wear positive pressure self-contained breathing apparatus (SCBA).

### Section 6 - Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions**
- Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours, spray.

**Emergency Procedures**
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) Keep out of low areas. Stay upwind. Keep unauthorized personnel away. Ventilate closed spaces before entering.

#### 6.2 Environmental precautions
- Prevent entry into waterways, sewers, basements or confined areas.

#### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures**
- Stop leak if you can do it without risk.
- A vapor suppressing foam may be used to reduce vapors.
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Use clean non-sparking tools to collect absorbed material.
- All equipment used when handling the product must be grounded.

#### 6.4 Reference to other sections
- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

### Section 7 - Handling and Storage

#### 7.1 Precautions for safe handling

**Handling**
- Keep away from fire, sparks and heated surfaces. Use only in well ventilated areas.
- Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact. All equipment used when handling the product must be grounded. Bond and ground all transfer containers and equipment. Take precautionary measures against static charges. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly. Prevent formation of aerosols. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

**Storage**
- Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep container tightly closed. Store away from oxidizing agents.

#### 7.2 Conditions for safe storage, including any incompatibilities

**Specific end use(s)**
- Refer to Section 1.2 - Relevant identified uses.

### Section 8 - Exposure Controls/Personal Protection

#### 8.1 Control parameters

<table>
<thead>
<tr>
<th>Exposure Limits/Guidelines</th>
<th>Result</th>
<th>ACGIH</th>
<th>Belgium</th>
<th>Canada Alberta</th>
<th>Canada British Columbia</th>
<th>Canada Manitoba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compound</td>
<td>TWAs</td>
<td>STELs</td>
<td>TWAs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------------------------------------</td>
<td>--------------------------------------------</td>
<td>-------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ TWA</td>
<td>Not established</td>
<td>10 mg/m³ TWA (total dust); 3 mg/m³ TWA (respirable fraction)</td>
<td>10 mg/m³ TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>20 ppm TWA; 100 ppm TWA; 442 mg/m³ TWA; 100 ppm TWA; 434 mg/m³ TWA</td>
<td>100 ppm STEL; 442 mg/m³ STEL; 551 mg/m³ STEL</td>
<td>100 ppm TWA; 434 mg/m³ TWA; 20 ppm TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>150 ppm STEL; 651 mg/m³ STEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>100 ppm TWA; 50 ppm TWA; 221 mg/m³ TWA; 100 ppm TWA; 434 mg/m³ TWA</td>
<td>150 ppm STEL; 651 mg/m³ STEL; 543 mg/m³ STEL</td>
<td>150 ppm STEL; 434 mg/m³ TWA; 20 ppm TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

### Exposure Limits/Guidelines (Con't.)

<table>
<thead>
<tr>
<th>Result</th>
<th>Canada New Brunswick</th>
<th>Canada Northwest Territories</th>
<th>Canada Nova Scotia</th>
<th>Canada Nunavut</th>
<th>Canada Ontario</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ TWA</td>
<td>5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass)</td>
<td>10 mg/m³ TWA (as Ti); 10 mg/m³ TWA (as Ti)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>20 ppm TWA</td>
<td>50 ppm TWA; 221 mg/m³ TWA</td>
<td>25 ppm TWA; 109 mg/m³ TWA</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>200 ppm STEL; 884 mg/m³ STEL</td>
<td>100 ppm TWA; 442 mg/m³ TWA</td>
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### Exposure Limits/Guidelines (Con't.)

<table>
<thead>
<tr>
<th>Result</th>
<th>Canada Quebec</th>
<th>Canada Saskatchewan</th>
<th>Canada Yukon</th>
<th>Cyprus</th>
<th>Denmark</th>
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</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
<td>30 mppcf TWA (as Ti); 10 mg/m³ TWA (as Ti)</td>
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<td>6 mg/m³ TWA (as Ti)</td>
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<tr>
<td>Ethylbenzene</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>100 ppm TWA; 442 mg/m³ TWA</td>
<td>50 ppm TWA; 217 mg/m³ TWA</td>
<td>Not established</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>50 ppm TWA; 221 mg/m³ TWA</td>
<td>25 ppm TWA; 109 mg/m³ TWA</td>
<td>Not established</td>
</tr>
<tr>
<td>Exposure Limits/Guidelines (Con’t.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>-----------------------------------</td>
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<td></td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Germany DFG</td>
<td>Germany TRGS</td>
<td>NIOSH</td>
<td>OSHA</td>
<td></td>
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<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td><strong>TWAs</strong></td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>15 mg/m³ TWA (total dust)</td>
</tr>
<tr>
<td></td>
<td><strong>TWAs</strong></td>
<td>Not established</td>
<td>20 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 88 mg/m³ TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
</tr>
<tr>
<td></td>
<td><strong>STELs</strong></td>
<td>Not established</td>
<td>Not established</td>
<td>125 ppm STEL; 545 mg/m³ STEL</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>Ceilings</strong></td>
<td>40 ppm Peak; 176 mg/m³ Peak</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>MAKs</strong></td>
<td>20 ppm TWA MAK; 88 mg/m³ TWA MAK</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light (64742-47-8)</td>
<td><strong>Ceilings</strong></td>
<td>40 ppm Peak; 280 mg/m³ Peak</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>MAKs</strong></td>
<td>20 ppm TWA MAK; 140 mg/m³ TWA MAK</td>
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<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Xylene (1330-20-7)</td>
<td><strong>TWAs</strong></td>
<td>Not established</td>
<td>100 ppm TWA AGW (all isomers, exposure factor 2); 440 mg/m³ TWA AGW (all isomers, exposure factor 2)</td>
<td>Not established</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
</tr>
<tr>
<td></td>
<td><strong>Ceilings</strong></td>
<td>200 ppm Peak (all isomers); 880 mg/m³ Peak (all isomers)</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>MAKs</strong></td>
<td>100 ppm TWA MAK (all isomers); 440 mg/m³ TWA MAK (all isomers)</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

**Exposure Control Notations**

**Cyprus**
- Ethylbenzene (100-41-4): Skin: (Skin-potential for cutaneous absorption) | Skin: (Skin-potential for cutaneous absorption)

**Germany TRGS**
- Ethylbenzene (100-41-4): Skin: (skin notation) | Skin: (skin notation (all isomers))

**Germany DFG**
- Distillates (petroleum), hydrotreated light (64742-47-8): Carcinogens: (Category 3B (could be carcinogenic for man, isomers in technical mixtures)) | Carcinogens: (Category 4 (no significant contribution to human cancer)) | Carcinogens: (Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)) | Pregnancy: (no risk to embryo/fetus if exposure limits adhered to) | Pregnancy: (no risk to embryo/fetus if exposure limits adhered to) | Pregnancy: (classification not yet possible (all isomers)) | Skin: (skin notation) | Skin: (skin notation (all isomers))

**8.2 Exposure controls**

**Engineering**
- Good general ventilation should be used. Ventilation rates should be matched to
Measures/Controls

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. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment

Respiratory

● In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

Skin/Body

Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.

Environmental Exposure Controls

Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
STEL = Short Term Exposure Limits are based on 15-minute exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Tan, viscous liquid with a characteristic odor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Tan</td>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data lacking</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Properties

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>137 C(278.6 F)</th>
<th>Melting Point</th>
<th>Data lacking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition Temperature</td>
<td>Data lacking</td>
<td>pH</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>0.939 Water=1</td>
<td>Water Solubility</td>
<td>Immiscible</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Data lacking</td>
<td>Explosive Properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
<td>Not an oxidizer.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Volatile

<table>
<thead>
<tr>
<th>Vapor Pressure</th>
<th>9.5 hPa @ 20 C(68 F)</th>
<th>Vapor Density</th>
<th>Data lacking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation Rate</td>
<td>Data lacking</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flammability

<table>
<thead>
<tr>
<th>Flash Point</th>
<th>30 C(86 F)</th>
<th>UEL</th>
<th>7.8 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEL</td>
<td>.5 %</td>
<td>Autoignition</td>
<td>Data lacking</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Flammable Liquid.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Environmental

<table>
<thead>
<tr>
<th>Octanol/Water Partition coefficient</th>
<th>Data lacking</th>
</tr>
</thead>
</table>

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity
10.1 Reactivity
- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions
- Hazardous polymerization will not occur.

10.4 Conditions to avoid
- Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials
- Oxidizing agents.

10.6 Hazardous decomposition products
- Carbon monoxide, carbon dioxide, and hydrocarbons.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (25% TO 50%)</td>
<td>1330-20-7</td>
<td><strong>Acute Toxicity:</strong> orl-mam LD50:4300 mg/kg; ihl-rat LC50:5000 ppm/4H; skn-rbt LD50:&gt;1700 mg/kg; <strong>Irritation:</strong> eye-rbt 5 mg/24H SEV; skn-rbt 100% MOD; <strong>Reproductive:</strong> ihl-rat TCLo:50 mg/m3/6H (1-21D preg)</td>
</tr>
<tr>
<td>Ethylbenzene (5% TO 20%)</td>
<td>100-41-4</td>
<td><strong>Acute Toxicity:</strong> orl-rat LD50:3500 mg/kg; ihl-rat LC50:55000 mg/m3/2H; skn-rbt LD50:17800 uL/kg; <strong>Irritation:</strong> eye-rbt 500 mg SEV; skn-rbt 15 mg/24H open MLD; <strong>Reproductive:</strong> ihl-rat TCLo:1000 ppm (6H/6-20D preg)</td>
</tr>
<tr>
<td>Titanium dioxide (&lt; 2.5%)</td>
<td>13463-67-7</td>
<td><strong>Irritation:</strong> skn-hmn 300 ug/3D I MLD; <strong>Tumorigen/Carcinogen:</strong> ihl-rat TCLo:250 mg/m3/6H/2Y-l</td>
</tr>
</tbody>
</table>

### GHS Properties

<table>
<thead>
<tr>
<th>Classification</th>
<th>EU/CLP</th>
<th>OSHA HCS 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>Skin sensitization</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>STOT-RE</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
<tr>
<td>STOT-SE</td>
<td><strong>Classification criteria not met</strong></td>
<td><strong>Classification criteria not met</strong></td>
</tr>
</tbody>
</table>
Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation

<table>
<thead>
<tr>
<th>Toxicity for Reproduction</th>
<th>EU/CLP • Classification criteria not met</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA HCS 2012 • Toxic to Reproduction 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Respiratory sensitization</th>
<th>EU/CLP • Classification criteria not met</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Serious eye damage/Irritation</th>
<th>EU/CLP • Classification criteria not met</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA HCS 2012 • Eye Irritation 2</td>
</tr>
</tbody>
</table>

Route(s) of entry/exposure
- Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation
- Acute (Immediate)
  - Harmful if inhaled. May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
- Chronic (Delayed)
  - No data available

Skin
- Acute (Immediate)
  - Causes skin irritation.
- Chronic (Delayed)
  - No data available

Eye
- Acute (Immediate)
  - Causes serious eye irritation.
- Chronic (Delayed)
  - No data available.

Ingestion
- Acute (Immediate)
  - Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
- Chronic (Delayed)
  - No data available.

Other
- Chronic (Delayed)
  - May cause damage to organs through prolonged or repeated exposure.

Carcinogenic Effects
- Although this material does contain components that are either carcinogens or potential carcinogens the material as a whole is not classified as a carcinogen.

<table>
<thead>
<tr>
<th>Carcinogenic Effects</th>
<th>CAS</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Group 2B-Possible Carcinogen</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Group 2B-Possible Carcinogen</td>
</tr>
</tbody>
</table>

Reproductive Effects
- May cause adverse reproductive effects - such as birth defects, miscarriages or infertility based on animal data.

Key to abbreviations
- LC = Lethal Concentration
- MOD = Moderate
- LD = Lethal Dose
- TC = Toxic Concentration
- MLD = Mild

Section 12 - Ecological Information

12.1 Toxicity
- Material data lacking.

12.2 Persistence and degradability
- Material data lacking.
12.3 Bioaccumulative potential
   - Material data lacking.

12.4 Mobility in Soil
   - Material data lacking.

12.5 Results of PBT and vPvB assessment
   - No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects
   - No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods
   Product waste
   - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

   Packaging waste
   - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>UN1133</td>
<td>Adhesives, containing a flammable liquid</td>
<td>3</td>
<td>III</td>
<td>NDA</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>UN1133</td>
<td>Adhesives containing flammable liquid</td>
<td>3</td>
<td>III</td>
<td>Potential Marine Pollutant</td>
</tr>
<tr>
<td>ADN</td>
<td>UN1133</td>
<td>ADHESIVES containing flammable liquid</td>
<td>3</td>
<td>III</td>
<td>NDA</td>
</tr>
<tr>
<td>ADR/RID</td>
<td>UN1133</td>
<td>ADHESIVES</td>
<td>3</td>
<td>III</td>
<td>NDA</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN1133</td>
<td>Adhesives</td>
<td>3</td>
<td>III</td>
<td>NDA</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user
   - None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   - Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   SARA Hazard Classifications
   - Acute, Chronic, Fire

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Component</td>
<td>CAS</td>
<td>Canada DSL</td>
<td>Canada NDSL</td>
<td>EU EINECS</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------</td>
<td>------------</td>
<td>-------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Belgium**

**Labor**

**Belgium - Substances and Preparations - Carcinogens and Mutagens**

- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**Bulgaria**

**Environment**

**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour**

- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 0.02 mg/m3 MAHCL
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 0.1 mg/m3 MAHCL

**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute**

- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 0.02 mg/m3 MAHCL
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual**

- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**Canada**

**Labor**

**Canada - WHMIS - Classifications of Substances**

- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 B2, D2A, D2B
- Titanium dioxide 13463-67-7 Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division...
### Canada - WHMIS - Ingredient Disclosure List

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

### Northwest Territories - Environment

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

### Environment

**Canada - CEPA - Priority Substances List**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Priority Substance List 1 (substance not considered toxic)</td>
</tr>
</tbody>
</table>

### Denmark - Environment

**Denmark - List of Undesirable Substances - Product Groups/Function**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

### Europe

#### Other

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Xn; R65</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>F; R11 Xn; R20</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>R10 Xn; R20/21 Xn; R38</td>
</tr>
</tbody>
</table>

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>12.5%&lt;=C: Xn; R:20/21</td>
</tr>
</tbody>
</table>

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Xn R:65 S:(2)-23-24-62</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>F Xn R:11-20 S:(2)-16-24/25-29</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Xn R:10-20/21-38 S:(2)-25</td>
</tr>
</tbody>
</table>

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>C</td>
</tr>
</tbody>
</table>

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>S:(2)-23-24-62</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>S:(2)-16-24/25-29</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS Number</td>
<td>Classification</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>S:(2)-25</td>
</tr>
</tbody>
</table>

**Germany**

**Labor**

- **Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

- **Germany - Immission Control - Qualifying Quantities for Safety Reporting**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

- **Germany - TRGS 505 - Specific Lead Regulations**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

- **Germany - TRGS 511 - Specific Ammonium Nitrate Regulations**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

**Environment**

- **Germany - TA Luft - Types and Classes**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

- **Germany - TA Luft - Emission Limits for Carcinogenic Substances**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

- **Germany - TA Luft - Emission Limits for Fibers**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed

- **Germany - TA Luft - Emission Limits for Inorganic Dusts**
  - Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
  - Ethylbenzene 100-41-4 Not Listed
  - Titanium dioxide 13463-67-7 Not Listed
  - Xylene 1330-20-7 Not Listed
### Germany - TA Luft - Emission Limits for Inorganic Gases
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 Not Listed
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 Not Listed

### Germany - TA Luft - Emission Limits for Organic Substances
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 Not Listed
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 Not Listed

### Germany - Water Classification (VwVwS) - Annex 1
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 Not Listed
- Titanium dioxide: 13463-67-7 ID Number 1345, not considered hazardous to water
- Xylene: 1330-20-7 Not Listed

### Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes
- Distillates (petroleum), hydrotreated light: 64742-47-8 ID Number 5350, hazard class 1 - low hazard to waters
- Ethylbenzene: 100-41-4 ID Number 99, hazard class 1 - low hazard to waters
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 ID Number 206, hazard class 2 - hazard to waters

### Germany - Water Classification (VwVwS) - Annex 3
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 Not Listed
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 Not Listed

### United States

#### Labor

**U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 Not Listed
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 Not Listed
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 Not Listed

#### Environment

**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
- Ethylbenzene: 100-41-4 (listed under Ethyl benzene)
- Titanium dioxide: 13463-67-7 Not Listed
- Xylene: 1330-20-7 (isomers and mixtures)

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**
- Distillates (petroleum), hydrotreated light: 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 1000 lb final RQ; 454 kg final RQ
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 100 lb final RQ; 45.4 kg final RQ

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Not Listed
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Not Listed
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Not Listed
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 0.1 % de minimis concentration
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 1.0 % de minimis concentration

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Not Listed
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Included in waste stream: F039
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Included in waste stream: F039

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Not Listed
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 Not Listed
• Titanium dioxide 13463-67-7 Not Listed
• Xylene 1330-20-7 Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards
• Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
• Ethylbenzene 100-41-4 0.057 mg/L (wastewater); 10 mg/kg (nonwastewater)
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 0.32 mg/L (wastewater); 30 mg/kg (nonwastewater)

**U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 (total)

**U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 waste number U239 (Ignitable waste)

### United States - California

#### Environment

**U.S. - California - Proposition 65 - Carcinogens List**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 carcinogen, initial date 6/11/04
- Titanium dioxide 13463-67-7 carcinogen, initial date 9/2/11 (airborne, unbound particles of respirable size)
- Xylene 1330-20-7 Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 54 µg/day NSRL (inhalation); 41 µg/day NSRL (oral)
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**
- Distillates (petroleum), hydrotreated light 64742-47-8 Not Listed
- Ethylbenzene 100-41-4 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Xylene 1330-20-7 Not Listed
United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Not Listed</th>
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<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
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</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td></td>
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<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
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<tr>
<td>Xylene</td>
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U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

<table>
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<th>Substance</th>
<th>CAS Number</th>
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<tbody>
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</tr>
<tr>
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<td>1330-20-7</td>
<td></td>
</tr>
</tbody>
</table>

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H225 - Highly flammable liquid and vapour
- H312 - Harmful in contact with skin
- R11 - Highly flammable.
- R20 - Harmful by inhalation.

Last Revision Date

- 28/October/2013

Preparation Date

- 28/October/2013

Disclaimer/Statement of Liability

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Key to abbreviations

NDA = No data available