1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Pettit Protect Epoxy Primer White 4100 - Part A
Product code: 1410000

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Primers
Restrictions on use: No information available

1.3 Details of the supplier of the safety data sheet

Supplier: Kop-Coat, Inc./ Pettit Marine Paint Marine Group
36 Pine Street
Rockaway, NJ 07866
1-800-221-4466

1.4 Emergency telephone number

Emergency telephone number: Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 2</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

2.2 Label elements
Signal Word
Danger

Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Flammable liquid and vapor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces - 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

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention
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 skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards  Hazards not otherwise classified (HNOC)
Not Applicable

2.4. Other information
Not Applicable

Unknown Acute Toxicity  < 1% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients
### Chemical Name | CAS-No | Weight %
--- | --- | ---
REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN) MW <= 700 | 28064-14-4 | 20 - 30
Barium Sulfate | 7727-43-7 | 10 - 20
Titanium dioxide | 13463-67-7 | 10 - 20
Xylene | 1330-20-7 | 10 - 20
Mica | 12001-26-2 | 10 - 20
Talc | 14807-96-6 | 5 - 10
MAGNESITE | 546-93-0 | 1 - 5
Ethylbenzene | 100-41-4 | 1 - 5
Ethylene glycol monobutyl ether | 111-76-2 | 1 - 5
Crystalline silica (quartz) | 14808-60-7 | < 1
Toluene | 108-88-3 | < 1

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First aid measures

#### 4.1 Description of first-aid measures

**General advice**
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Eye contact**
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.

**Skin contact**
Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse.

**Inhalation**
Move victim to fresh air. If not breathing, give artificial respiration. Keep victim warm and quiet. Call a physician or poison control center immediately.

**Ingestion**
Gently wipe or rinse the inside of the mouth with water. Never give fluids if the victim is unconscious or having convulsions. Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician or poison control center immediately.

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

**Symptoms**
See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

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

**Notes to physician**
There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

### 5. Fire-Fighting Measures

#### 5.1 Extinguishing media

**Suitable extinguishing media**
Foam. Carbon dioxide (CO₂). Dry chemical. Water spray or fog. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

**Unsuitable Extinguishing Media**
Water may be unsuitable for extinguishing fires.

#### 5.2 Special hazards arising from the substance or mixture
Special Hazard
Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to areas away from work site before igniting/flash back to vapor source. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products
Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

Explosion Data
Sensitivity to Mechanical Impact
Not sensitive.
Sensitivity to Static Discharge
Yes.

5.3 Advice for firefighters
Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Thoroughly decontaminate all protective equipment after use. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Do not get in eyes, on skin, or on clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation, especially in confined areas. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Keep people away from and upwind of spill/leak. Stop leak if you can do it without risk. Wear protective gloves/clothing and eye/face protection. Thoroughly decontaminate all protective equipment after use. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions
Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up
Methods for Containment
Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up
Take up with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

7. Handling and storage

7.1 Precautions for safe handling
Advice on safe handling
Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Ground and bond containers when transferring material. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. No smoking.

Hygiene measures
Do not get in eyes, on skin, or on clothing.
7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Store in accordance with local regulations.

Materials to Avoid
No materials to be especially mentioned.

8. Exposure controls/personal protection

8.1 Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>British Columbia</th>
<th>Alberta</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulfate</td>
<td>TWA: 5 mg/m³ inhalable fraction, particulate matter containing no asbestos and &lt;1% crystalline silica</td>
<td>TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 10 mg/m³ TWA: 3 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 15 mg/m³ total dust TWA: 3 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 3 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>STEL: 150 ppm TWA: 100 ppm</td>
<td>TWA: 100 ppm TWA: 435 mg/m³</td>
<td>TWA: 100 ppm TWA: 343 mg/m³ STEL: 150 ppm</td>
<td>TWA: 100 ppm TWA: 343 mg/m³ STEL: 651 mg/m³</td>
<td>TWA: 100 ppm STEL: 150 ppm</td>
<td></td>
</tr>
<tr>
<td>Mica</td>
<td>TWA: 3 mg/m³ respirable fraction</td>
<td>TWA: 20 mppcf &lt;1% Crystalline silica</td>
<td>TWA: 3 mg/m³ TWA: 3 mg/m³</td>
<td>TWA: 3 mg/m³ TWA: 3 mg/m³</td>
<td>TWA: 3 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Talc</td>
<td>TWA: 2 mg/m³ particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction</td>
<td>TWA: 20 mppcf if 1% Quartz or more, use Quartz limit</td>
<td>TWA: 2 mg/m³ TWA: 2 mg/m³</td>
<td>TWA: 3 mg/m³ TWA: 2 mg/m³</td>
<td>TWA: 2 mg/m³</td>
<td></td>
</tr>
<tr>
<td>MAGNESITE</td>
<td>-</td>
<td>TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 10 mg/m³ TWA: 3 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>TWA: 20 ppm</td>
<td>TWA: 100 ppm TWA: 435 mg/m³</td>
<td>TWA: 20 ppm TWA: 100 ppm TWA: 343 mg/m³ STEL: 125 ppm STEL: 543 mg/m³</td>
<td>TWA: 100 ppm TWA: 343 mg/m³ STEL: 651 mg/m³</td>
<td>TWA: 20 ppm</td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm TWA: 240 mg/m³ S*</td>
<td>TWA: 20 ppm TWA: 20 ppm TWA: 97 mg/m³</td>
<td>TWA: 20 ppm TWA: 97 mg/m³</td>
<td>TWA: 20 ppm</td>
<td></td>
</tr>
<tr>
<td>Crystalline silica (quartz)</td>
<td>TWA: 0.025 mg/m³ respirable fraction</td>
<td>(30)/(%SiO2 + 2) mg/m³ TWA total dust (250)/(%SiO2 + 5) mppcf TWA respirable fraction</td>
<td>TWA: 0.025 mg/m³</td>
<td>TWA: 0.025 mg/m³ TWA: 0.1 mg/m³</td>
<td>TWA: 0.10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>TWA: 20 ppm</td>
<td>TWA: 200 ppm Ceiling: 300 ppm</td>
<td>TWA: 20 ppm TWA: 188 mg/m³ Adverse reproductive effect TWA: 50 ppm TWA: 188 mg/m³ Skin TWA: 50 ppm</td>
<td>TWA: 188 mg/m³ Skin</td>
<td>TWA: 20 ppm</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Appropriate engineering controls

Engineering Measures
Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Apply technical measures to comply with the occupational exposure limits.

8.3 Individual protection measures, such as personal protective equipment
Eye/Face Protection
Tightly fitting safety goggles.

Skin and body protection
Wear impervious gloves and/or clothing if needed to prevent contact with the material. Neoprene gloves. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Long sleeved clothing. Chemical resistant apron. Protective shoes or boots. Remove and wash contaminated clothing before re-use.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures
See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>viscous</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Hydrocarbon-like</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt; 100 °C / 212 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>35 °C / 95 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 22 mm2/s</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatile organic compounds (VOC)</td>
<td>338 g/L</td>
</tr>
<tr>
<td>Density</td>
<td>14.65 lb/gal</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use

10.2 Chemical stability
Stable under recommended storage conditions
10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

None known based on information supplied.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity < 1% of the mixture consists of ingredient(s) of unknown toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulfate</td>
<td>&gt; 5005 mg/kg (rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7727-43-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>13463-67-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>3500 mg/kg (Rat)</td>
<td>&gt; 4350 mg/kg (Rabbit)</td>
<td>= 29.08 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>1330-20-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>3500 mg/kg (Rat)</td>
<td>= 15400 mg/kg (Rabbit)</td>
<td>= 17.2 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>100-41-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>470 mg/kg (Rat)</td>
<td>= 2000 mg/kg (Rabbit)</td>
<td>= 450 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>2600 mg/kg (Rat)</td>
<td>= 12000 mg/kg (Rabbit)</td>
<td>= 28.1 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>108-88-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11.2 Information on toxicological effects

Skin corrosion/irritation

Product Information

Eye damage/irritation

Product Information

Respiratory or skin sensitization

Component Information
12. Ecological information

12.1 Toxicity

Ecotoxicity

No information available

20.3688398 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>-</td>
<td>LC50: 96 h Pimephales promelas</td>
<td>EC50: 48 h water flea 3.82 mg/L</td>
</tr>
</tbody>
</table>
12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene 1330-20-7</td>
<td>3.15</td>
</tr>
<tr>
<td>Ethylbenzene 100-41-4</td>
<td>3.118</td>
</tr>
<tr>
<td>Ethylene glycol monobutyl ether 111-76-2</td>
<td>0.81</td>
</tr>
<tr>
<td>Toluene 108-88-3</td>
<td>2.65</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

No information available.
12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

Note
Limited quantity This product may be reclassified as Consumer Commodity, ORM-D, when shipped by ground; packaging quantity limitations apply.

DOT
Proper shipping name
Quarts and gallons ship as limited quantity.
UN1263, Paint, 3, III

MEX
no data available

IMDG
Proper shipping name
UN1263, Paint, 3, III

IATA
Proper shipping name
UN1263, Paint, 3, III

15. Regulatory information

15.1 International Inventories

| TSCA | Complies |
| DSL | - |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | - |
| KECL | - |
| PICCS | - |
| AICS | - |
| NZIoC | - |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulfate</td>
<td>1.0</td>
</tr>
<tr>
<td>7727-43-7</td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>1.0</td>
</tr>
<tr>
<td>1330-20-7</td>
<td></td>
</tr>
</tbody>
</table>
15.3 Pesticide Information
Not applicable

15.4 U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide - 13463-67-7</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Ethylbenzene - 100-41-4</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Crystalline silica (quartz) - 14808-60-7</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Toluene - 108-88-3</td>
<td>Developmental Female Reproductive</td>
</tr>
<tr>
<td>Crystalline silica (Quartz) (Respirable) - 14808-60-7</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>CUMENE - 98-82-6</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Benzene - 71-43-2</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Developmental</td>
<td>Male Reproductive</td>
</tr>
</tbody>
</table>

16. Other information

NFPA
Health Hazard 2  Flammability 3  Instability 0  Physical and chemical hazards - Physical Hazard 0  Personal protection X

HMIS
Health Hazard 2*  Flammability 3  Physical Hazard 0  Personal protection X

Legend:
ACGIH (American Conference of Governmental Industrial Hygienists)
Ceiling (C)
DOT (Department of Transportation)
EPA (Environmental Protection Agency)
IARC (International Agency for Research on Cancer)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
NIOSH (National Institute for Occupational Safety and Health)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
Reportable Quantity (RQ)
Skin designation (S*)
STEL (Short Term Exposure Limit)
TLV® (Threshold Limit Value)
TWA (time-weighted average)

Revision Date 01-Jan-2019
Revision Note
No information available
Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet
1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name: Pettit Protect Epoxy Primer 4101 White - Part B
Product code: 1410108

1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended Use: Primers
Restrictions on use: No information available

1.3 Details of the supplier of the safety data sheet
Supplier: Kop-Coat, Inc./Pettit Paint Marine Group
36 Pine Street
Rockaway, NJ 07866
1-800-221-4466
Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

1.4 Emergency telephone number
Emergency telephone number: Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910.1200

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

2.2 Label elements
Signal Word: Danger
Hazard Statements
Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction
Highly flammable liquid and vapor

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Keep away from heat/sparks/open flames/hot surfaces. - 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/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor
If skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards  Hazards not otherwise classified (HNOC)
Not Applicable

2.4. Other information
Not Applicable

Unknown Acute Toxicity  < 1% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide epoxy adduct</td>
<td>Proprietary</td>
<td>50 - 60</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>10 - 20</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>71-23-8</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Amidoamine resin</td>
<td>Proprietary</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL</td>
<td>90-72-2</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1 Description of first-aid measures

General advice
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.

Skin contact
Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse.

Inhalation
Move victim to fresh air. If not breathing, give artificial respiration. Keep victim warm and quiet. Call a physician or poison control center immediately.

Ingestion
Gently wipe or rinse the inside of the mouth with water. Never give fluids if the victim is unconscious or having convulsions. Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician or poison control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician
There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Foam. Carbon dioxide (CO₂). Dry chemical. Water spray or fog. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

Unsuitable Extinguishing Media
Water may be unsuitable for extinguishing fires.

5.2 Special hazards arising from the substance or mixture

Special Hazard
Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Vapors may travel to areas away from work site before igniting/flushing back to vapor source Thermal decomposition can lead to release of irritating gases and vapors

Hazardous Combustion Products
Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

Explosion Data
- Sensitivity to Mechanical Impact: Not sensitive.
- Sensitivity to Static Discharge: Yes.

5.3 Advice for firefighters

Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Thoroughly decontaminate all protective equipment after use.
6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not get in eyes, on skin, or on clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation, especially in confined areas. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Keep people away from and upwind of spill/leak. Stop leak if you can do it without risk. Wear protective gloves/clothing and eye/face protection. Thoroughly decontaminate all protective equipment after use. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment
Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up
Take up with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Ground and bond containers when transferring material. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. No smoking.

Hygiene measures
Do not get in eyes, on skin, or on clothing.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Store in accordance with local regulations.

Materials to Avoid
No materials to be especially mentioned.

8. Exposure controls/personal protection

8.1 Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>British Columbia</th>
<th>Alberta</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene 1330-20-7</td>
<td>STEL: 150 ppm TWA: 100 ppm</td>
<td>TWA: 100 ppm TWA: 435 mg/m³</td>
<td>TWA: 100 ppm STEL: 150 ppm</td>
<td>TWA: 100 ppm TWA: 434 mg/m³</td>
<td>TWA: 100 ppm</td>
<td>TWA: 100 ppm STEL: 150 ppm</td>
</tr>
</tbody>
</table>
8.2 Appropriate engineering controls

Engineering Measures
Ensure adequate ventilation, especially in confined areas. Where reasonably practicable
this should be achieved by the use of local exhaust ventilation and good general extraction.
Apply technical measures to comply with the occupational exposure limits.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and body protection
Wear impervious gloves and/or clothing if needed to prevent contact with the material.
Neoprene gloves. Nitrile rubber. Please observe the instructions regarding permeability and
breakthrough time which are provided by the supplier of the gloves. Also take into
consideration the specific local conditions under which the product is used, such as the
danger of cuts, abrasion. Long sleeved clothing. Chemical resistant apron. Protective shoes
or boots. Remove and wash contaminated clothing before re-use.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved
respiratory protection should be worn. Respiratory protection must be provided in
accordance with current local regulations.

Hygiene measures
See section 7 for more information
9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Amber</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Hydrocarbon-like</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
</tr>
<tr>
<td>Boiling point/burning range</td>
<td>&gt; 100 °C / 212 °F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>18 °C / 64 °F</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 22 mm2/s</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

9.2 Other information

- Volatile organic compounds (VOC): 340 g/L
- Density: 7.72 lb/gal

10. Stability and Reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None under normal processing.

10.4 Conditions to Avoid
None known based on information supplied.

10.5 Incompatible Materials
No materials to be especially mentioned.

10.6 Hazardous Decomposition Products
Thermal decomposition can lead to release of toxic/corrosive gases and vapors.
11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity  < 1% of the mixture consists of ingredient(s) of unknown toxicity

| Oral LD50       | 15,197.00 mg/kg |
| Dermal LD50     | 19,002.00 mg/kg |
| LC50 (Vapor)    | 58.00 mg/l      |

Numerical measures of toxicity: Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral ( Rat )</th>
<th>LD50 Dermal ( Rabbit )</th>
<th>LC50 Inhalation ( Rat ) 4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene 1330-20-7</td>
<td>3500 mg/kg</td>
<td>&gt; 4350 mg/kg</td>
<td>= 29.08 mg/L</td>
</tr>
<tr>
<td>n-Propanol 71-23-8</td>
<td>3830 mg/kg ( Rat )</td>
<td>&gt; 10000 mg/kg ( Rabbit)</td>
<td>&gt; 13548 ppm ( Rat ) 4 h</td>
</tr>
<tr>
<td>2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 90-72-2</td>
<td>1000 mg/kg ( Rat )</td>
<td>= 1280 mg/kg ( Rat )</td>
<td>-</td>
</tr>
<tr>
<td>3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE 112-57-2</td>
<td>2100 mg/kg ( Rat )</td>
<td>= 660 µL/kg ( Rabbit )</td>
<td>-</td>
</tr>
</tbody>
</table>

11.2 Information on toxicological effects

**Skin corrosion/irritation**

**Product Information**

No format provided

**Component Information**

No format provided

**Eye damage/irritation**

**Product Information**

No format provided

**Component Information**

No format provided

**Respiratory or skin sensitization**

**Product Information**

No format provided

**Component Information**

No format provided

**Germ cell mutagenicity**

**Product Information**

No format provided

**Component Information**

No format provided

**Carcinogenicity**

**Product Information**

No format provided

**Component Information**

No format provided
Reproductive toxicity
Product Information
• No information available
Component Information
• No information available

STOT - single exposure
No information available

STOT - repeated exposure
No information available

Other adverse effects
Product Information
• No information available
Component Information
• No information available

Aspiration hazard
Product Information
• No information available
Component Information
• No information available

12. Ecological information

12.1 Toxicity

Ecotoxicity
No information available

61.6645 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene 1330-20-7</td>
<td>-</td>
<td>LC50: 96 h Pimephales promelas 23.53 - 29.97 mg/L static LC50: 96 h Cyprinus carpio 780 mg/L semi-static LC50: 96 h Cyprinus carpio 780 mg/L LC50: 96 h Poecilia reticulata 30.26 - 40.75 mg/L static LC50: 96 h Pimephales promelas 13.4 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L static LC50: 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L LC50: 96 h Lepomis macrochirrus 13.1 - 16.5 mg/L flow-through LC50: 96 h Lepomis macrochirrus 19 mg/L LC50: 96 h Lepomis macrochirrus 7.711 - 9.591 mg/L static</td>
<td>EC50: 48 h water flea 3.82 mg/L LC50: 48 h Gammarus lacustris 0.6 mg/L</td>
</tr>
<tr>
<td>n-Propanol 71-23-8</td>
<td>-</td>
<td>LC50: 96 h Pimephales promelas 4480 mg/L flow-through</td>
<td>EC50: 48 h Daphnia magna 3642 mg/L EC50: 48 h Daphnia magna 3339 - 3977 mg/L Static</td>
</tr>
<tr>
<td>3,6,9-TRIAZAUNDECAMETHYLENE EDIAMINE 112-57-2</td>
<td>EC50: 72 h Pseudokirchneriella subcapitata 2.1 mg/L</td>
<td>LC50: 96 h Poecilia reticulata 420 mg/L static</td>
<td>EC50: 48 h Daphnia magna 24.1 mg/L</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

No information available.
12.3 Bioaccumulative potential

Discharge into the environment must be avoided.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>3.15</td>
</tr>
<tr>
<td>1330-20-7</td>
<td></td>
</tr>
<tr>
<td>n-Propanol</td>
<td>0.34</td>
</tr>
<tr>
<td>71-23-8</td>
<td></td>
</tr>
<tr>
<td>3,6,9-TRIAZAUDECAMETHYLENEDIAMINE</td>
<td>1</td>
</tr>
<tr>
<td>112-57-2</td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available.

13. Disposal Considerations

13.1 Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

Note

Limited quantity This product may be reclassified as Consumer Commodity, ORM-D, when shipped by ground; packaging quantity limitations apply.

DOT

Proper shipping name

Quarts ship as limited quantity

UN1263, Paint, 3, II

MEX

no data available

IMDG

Proper shipping name

UN1263, Paint, 3, II

IATA

Proper shipping name

UN1263, Paint, 3, II

15. Regulatory information

15.1 International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>DSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
<th>NZIoC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complies</td>
<td>Complies</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
IECSC - Japan Existing and New Chemical Substances
KECL - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

01-Jan-2019 - 1410108 - 1 - AGHS - English -
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1.0</td>
</tr>
</tbody>
</table>

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

16. Other information

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and chemical hazards</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>0</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Legend:
AGHS - English

ACGIH (American Conference of Governmental Industrial Hygienists)
DOT (Department of Transportation)
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IARC (International Agency for Research on Cancer)
International Air Transport Association (IATA)
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NIOSH (National Institute for Occupational Safety and Health)
NTP (National Toxicology Program)
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Revision Note: No information available

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End of Safety Data Sheet