SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name. : PURUS® Heavy Duty Extended Service SCA Precharged Antifreeze/Coolant
Synonyms : PURUS® Heavy Duty Extended Service SCA Precharged Concentrate Antifreeze/Coolant

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

Uses advised against : See Section 16.

1.3. Details of the supplier of the safety data sheet:

KOST USA, Inc. : Manufactured for:
1000 Tennessee Ave. : AIOD
Cincinnati, 45229 - USA : P.O. Box 1861
T 1-800-661-9391 - F 1-513-492-5555 : Montrose, CO 81402
sales@kostusa.com - www.kostusa.com : 970-240-4176

1.4. Emergency telephone number : 1-800-424-9300
CHEMTREC (24 HOURS)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Acute Tox. 4 (Oral) H302
Skin Sens. 1 H317
Repr. 1B H360
STOT RE 2 H373

2.2. Label elements

GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger.
Hazard statements (GHS-US) :
H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H360 - May damage fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe mist/vapours/spray
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P330 - If swallowed, rinse mouth
P308+P313 - IF ON SKIN: Wash with plenty of soap and water
P311 - IF exposed or concerned: Get medical advice/attention
P314 - Get medical advice and attention if you feel unwell
P321 - Specific treatment (see Section 4 on this label)
P330 - If swallowed, induce vomiting
P333+P340 - If in eyes: Rinse cautiously with large quantities of water
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local and national regulations

2.3. Other hazards
No additional information available
PURUS® Heavy Duty Extended Service SCA Precharged Antifreeze/Coolant Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixture
Components with health hazards above the applicable thresholds are shown. Exact concentrations withheld as trade secret.

Full text of H-phrases: see section 16

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>(CAS No) 107-21-1</td>
<td>80 – 99</td>
<td>Acute Tox. 4 (Oral), H302 STOT RE 2, H373</td>
</tr>
<tr>
<td>Diethylene glycol</td>
<td>(CAS No) 111-46-6</td>
<td>0 – 10</td>
<td>Acute Tox. 4 (Oral), H302 STOT RE 2, H373</td>
</tr>
<tr>
<td>disodium tetraborate, anhydrous</td>
<td>(CAS No) 1330-43-4</td>
<td>0.01 – 0.5</td>
<td>Repr. 1B, H360</td>
</tr>
<tr>
<td>sodium mercaptobenzothiazole</td>
<td>(CAS No) 2492-26-4</td>
<td>0.01 – 0.5</td>
<td>Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Rinse mouth. Call a POISON CENTER/doctor/physician if you feel unwell.

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

Symptoms/injuries: May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Symptoms/injuries after inhalation: Inhalation may cause: irritation, coughing, shortness of breath.

Symptoms/injuries after skin contact: May cause an allergic skin reaction.

Symptoms/injuries after eye contact: Direct contact with the eyes is likely irritating.

Symptoms/injuries after ingestion: Swallowing a small quantity of this material will result in serious health hazard.

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

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

Fire hazard: No specific fire or explosion hazard.

Explosion hazard: Product is not explosive.

Reactivity: No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Avoid all eyes and skin contact and do not breathe vapour and mist.
6.1.1. For non-emergency personnel
Protective equipment: Chemical goggles or safety glasses. Clothing impervious to chemical penetration. Wear suitable gloves resistant to chemical penetration.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Chemical goggles or safety glasses. Wear suitable protective clothing and gloves. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Absorb and/or contain spill with inert material, then place in suitable container.
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up in non-combustible absorbent material and shove into container for disposal.

6.4. Reference to other sections
Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid breathing mist/vapours/spray. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
Incompatible materials: Sources of ignition.
Prohibitions on mixed storage: Keep away from incompatible materials.

7.3. Specific end use(s)
Antifreeze. Coolant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
All applicable Exposure Limits that have been determined for this product are shown.

<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
<th>USA ACGIH</th>
<th>ACGIH Ceiling (mg/m³)</th>
<th>100 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH Ceiling (ppm)</td>
<td>39.4 ppm</td>
<td></td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>Remark (ACGIH)</td>
<td>URT &amp; eye irr</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>disodium tetraborate, anhydrous (1330-43-4)</th>
<th>USA ACGIH</th>
<th>ACGIH TWA (mg/m³)</th>
<th>2 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (mg/m³)</td>
<td>6 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Varies URT irr</td>
<td></td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m3)</td>
<td>10 mg/m³ 8 hours</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Avoid creating mist or spray. Avoid splashing. Either local exhaust or general room ventilation is usually required.
Personal protective equipment: Avoid all unnecessary exposure.
Hand protection: Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves.
Eye protection: In case of splashing or aerosol production: protective goggles.
Skin and body protection: Wear suitable protective clothing. Impervious clothing.
Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use an approved respirator equipped with oil/mist cartridges.

Other information: Do not eat, drink or smoke when using this product.

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

- **Physical state**: Liquid
- **Appearance**: Free & clear.
- **Odour**: No data available
- **Odour threshold**: No data available
- **pH**: 10.2 - 10.8 50/50 in water
- **Relative evaporation rate (butylacetate=1)**: No data available
- **Melting / freezing point**: -36.9 - -36.4 °C
- **Boiling point**: No data available
- **Flash point**: 116 °C
- **Self ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapour pressure**: No data available
- **Relative vapour density at 20 °C**: No data available
- **Specific gravity at 20 °C**: 1.01 - 1.131
- **Solubility**: No data available
- **Log Pow**: No data available
- **Viscosity**: No data available
- **Explosive limits**: No data available

9.2. Other information

No additional information available

**SECTION 10: Stability and reactivity**

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid excessive heat or cold. Keep away from sources of ignition.

10.5. Incompatible materials


10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

- Acute toxicity: Harmful if swallowed.

<table>
<thead>
<tr>
<th>Material</th>
<th>Toxicity (mg/kg bodyweight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE (oral)</td>
<td>500.000</td>
</tr>
</tbody>
</table>

**Ethylene glycol (107-21-1)**

<table>
<thead>
<tr>
<th>Material</th>
<th>Toxicity (mg/kg bodyweight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>7712</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 3500</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 2.5</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>500.000</td>
</tr>
</tbody>
</table>
## Purus® Heavy Duty Extended Service SCA Precharged Antifreeze/Coolant Safety Data Sheet

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### Diethylene glycol (111-46-6)

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>19600 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rat</td>
<td>13300 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 4.6 mg/l/4h</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>500.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE (dermal)</td>
<td>13300.000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### disodium tetraborate, anhydrous (1330-43-4)

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>3450 mg/kg male</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg no deaths occurred</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 2.03 mg/l 5h - no deaths occurred</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>3450.000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Sodium mercaptobenzothiazole (2492-26-4)

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>2100 mg/kg male</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 7940 mg/kg New Zealand White Rabbit</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>2100.000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Ethylene glycol (107-21-1)

<table>
<thead>
<tr>
<th>IARC group</th>
<th>Not listed in carcinogenicity class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive toxicity</td>
<td>May damage fertility or the unborn child.</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
</tbody>
</table>

### Ethylene glycol (107-21-1)

| NOAEL (oral,rat,90 days) | 150 mg/kg bodyweight/day kidney |

### disodium tetraborate, anhydrous (1330-43-4)

<table>
<thead>
<tr>
<th>LOAEL (oral,rat,90 days)</th>
<th>58.5 mg/kg bodyweight/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOAEL (oral,rat,90 days)</td>
<td>17.5 mg/kg bodyweight/day</td>
</tr>
</tbody>
</table>

### Toxicity

#### Ethylene glycol (107-21-1)

<table>
<thead>
<tr>
<th>LC50 fishes 1</th>
<th>72860 mg/l Pimephales promelas</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 100 mg/l</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>15380 mg/l Pimephales promelas</td>
</tr>
<tr>
<td>NOEC chronic crustacea</td>
<td>8590 mg/l Ceriodaphnia sp.</td>
</tr>
</tbody>
</table>

#### Diethylene glycol (111-46-6)

<table>
<thead>
<tr>
<th>LC50 fishes 1</th>
<th>75200 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 10000 mg/l</td>
</tr>
</tbody>
</table>

#### disodium tetraborate, anhydrous (1330-43-4)

| LC50 fishes 1 | 74 mg/l 96h Limanda limanda |

#### Sodium mercaptobenzothiazole (2492-26-4)

| LC50 fishes 1 | 1.87 mg/l 96h |
12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>PURUS® Heavy Duty Extended Service SCA Precharged Concentrate Antifreeze/Coolant</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol (107-21-1)</td>
<td>Not readily biodegradable.</td>
</tr>
<tr>
<td>Diethylene glycol (111-46-6)</td>
<td>Readily biodegradable.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
<th>Log Pow</th>
<th>-1.36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not expected to bioaccumulate.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diethylene glycol (111-46-6)</th>
<th>Bioconcentration factor (BCF REACH)</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Log Pow</td>
<td>-1.98</td>
</tr>
<tr>
<td></td>
<td>Bioaccumulative potential</td>
<td>Not expected to bioaccumulate.</td>
</tr>
</tbody>
</table>

| Sodium mercaptobenzothiazole (2492-26-4) | Log Pow | 2.42 |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| Sewage disposal recommendations | : Do not dispose of waste into sewer. |
| Waste disposal recommendations  | : Dispose in a safe manner in accordance with local/national regulations. |

SECTION 14: Transport information

In accordance with DOT

Not considered a dangerous good for transport regulations

Additional information

| Other information | : No supplementary information available. |

ADR

| Transport document description | : Not applicable |

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
<th>Listed on the United States TSCA (Toxic Substances Control Act) inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA TSCA Regulatory Flag</td>
<td>T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.</td>
</tr>
<tr>
<td>RQ (Reportable quantity, section 304 of EPA's List of Lists) :</td>
<td>5000 lb</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>&gt;95%</td>
</tr>
</tbody>
</table>

| Diethylene glycol (111-46-6) | Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| disodium tetraborate, anhydrous (1330-43-4) | Listed on the United States TSCA (Toxic Substances Control Act) inventory |
# PURUS® Heavy Duty Extended Service SCA Precharged Antifreeze/Coolant Safety Data Sheet

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## 15.2. International regulations

### CANADA

<table>
<thead>
<tr>
<th>PURUS® Heavy Duty Extended Service SCA Precharged Concentrate Antifreeze/Coolant</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
</tr>
</tbody>
</table>

#### Ethylene glycol (107-21-1)
Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Diethylene glycol (111-46-6)
Listed on the Canadian DSL (Domestic Substances List) inventory.

#### disodium tetraborate, anhydrous (1330-43-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.

#### sodium mercaptobenzothiazole (2492-26-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.

### EU-Regulations

#### Ethylene glycol (107-21-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

#### Diethylene glycol (111-46-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

#### disodium tetraborate, anhydrous (1330-43-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

#### sodium mercaptobenzothiazole (2492-26-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Acute Tox. 4 (Oral) H302
- STOT RE 2 H373

Full text of H-phrases: see section 16

### Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R22

### 15.2. National regulations

#### Ethylene glycol (107-21-1)
- Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
- Listed on the AICS (the Australian Inventory of Chemical Substances).
- Listed on Taiwan National Chemical Inventory
- Listed on New Zealand - Inventory of Chemicals (NZIoC)
- Listed on KECI (Chemical Inventory of Korea)
- Listed on Inventory of Existing Chemical Substances (IECSC)
- Listed on Inventory of Chemicals and Chemical Substances (PICCS)

#### Diethylene glycol (111-46-6)
- Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
- Listed on the AICS (the Australian Inventory of Chemical Substances).
- Listed on Taiwan National Chemical Inventory
- Listed on New Zealand - Inventory of Chemicals (NZIoC)
- Listed on KECI (Chemical Inventory of Korea)
- Listed on Inventory of Existing Chemical Substances (IECSC)
- Listed on Inventory of Chemicals and Chemical Substances (PICCS)
### SECTION 16: Other information

**Disclaimer:**
Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user’s intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

End-use applications **NOT** supported by Kost USA, Inc. for monoethylene glycol, diethylene glycol and triethylene glycol. These limitations include products restricted by law, applications in which may raise unacceptable risks, and other applications which Kost USA, Inc. has decided not to, including minimizing unnecessary risk and liabilities to the company. Kost USA, Inc. does not knowingly market these products into these non-supported applications. This list is not all-inclusive, and Kost USA, Inc. reserves the right to modify the same at any time.

- The use of production of tobacco and in the manufacture of tobacco products (including but not limited to additives, humectants, filters, inks, and paper)
- The use for the generation of artificial smoke / theatrical fogs / mist. This includes applications such as artificial / e-cigarettes.
- The use as ingredient in fuel for warming foods (Sterno™-like application) or in fuel for heating an enclosed space where human exposure is possible.
- The use in fire extinguishing sprinkler systems.
- The use in the manufacture of munitions.
- The use in the production of de-icers for use on roadways, sidewalks and in aircraft lavatories.
- The use as a component of heat transfer fluids in systems where the heat transfer fluids could infiltrate (i.e., via an exchanger leak, backflow prevention failure, or other means) a potable water.
- The use as a non-reacted component in formulation for direct internal or external human / animal contact, including, but not limited to ingestion, inhalation, and skin contact and in medical / veterinary devices and medical / veterinary. Examples of some such applications are uses as a direct component in foods, beverages, pharmaceuticals, cosmetics, personal care products or children's products.
- The use for consumer or hospital usage for deodorizing or air “purifying” purposes by spraying as an aerosol.
- The use as a non-reacted component in adhesives, plasticizers, and softening agents for packaging having direct contact with food or beverage.
- The use as a non-reacted component in the formulation of glues, pastes, ice / heat packs or other items where the potential for significant human contact and/or ingestion exists (including but not limited to children's school glue/paste or arts/craft glue/paste, toys, children products).
- The use as a fluid for pressure testing piping.

For more information contact your Kost USA, Inc. representative.

**Indication of changes:** Original Document.
PURUS® Heavy Duty Extended Service SCA Precharged Antifreeze/Coolant Safety Data Sheet

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Abbreviations and acronyms: ACGIH (American Conference of Governmental Industrial Hygienists). ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. CLP: Classification, Labelling, Packaging. LD50: Lethal Dose for 50% of the test population. EC50: Environmental Concentration associated with a response by 50% of the test population. GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). OSHA: Occupational Safety & Health Administration. TSCA: Toxic Substances Control Act. STEL: Short Term Exposure Limits. TWA: Time Weight Average.

Other information: None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Repr. 1B</td>
<td>Reproductive toxicity Category 1B</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>skin corrosion/irritation Category 1B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation Category 1</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity (repeated exposure) Category 2</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.