# Full Force Long Life Concentrate Antifreeze and Coolant

## Safety Data Sheet

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

Revision date: 10/01/2019

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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Full Force Long Life Concentrate Antifreeze and Coolant</td>
</tr>
</tbody>
</table>

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

Use of the substance/mixture: Antifreeze & Coolant

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

Old World Industries, LLC  
3100 Sanders Road  
Northbrook, IL 60062 - USA  
T (847) 559-2000  
www.oldworldind.com

### 1.4. Emergency telephone number

Emergency number: 800 424 9300 (United States); 00 1 703 527 3887 (International)  
Chemtrec

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GHS-US classification**

| Acute toxicity (oral), Category 4 | H302 | Harmful if swallowed. |
| Reproductive toxicity, Category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity — Repeated exposure, Category 2 | H373 | May cause damage to organs (kidneys) through prolonged or repeated exposure (oral). |

Full text of H statements: see section 16

### 2.2. Label elements

**GHS-US labelling**

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>![GHS07]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word (GHS-US)</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statements (GHS-US)</td>
<td></td>
</tr>
</tbody>
</table>
  - Suspected of damaging fertility or the unborn child.  
  - May cause damage to organs (kidneys) through prolonged or repeated exposure (oral). |
| Precautionary statements (GHS-US) |  
  - Obtain special instructions before use.  
  - Do not handle until all safety precautions have been read and understood.  
  - Do not breathe mist, spray, vapors  
  - Wash affected areas thoroughly after handling.  
  - Do not eat, drink or smoke when using this product.  
  - Wear personal protective equipment as required.  
  - If swallowed: Immediately call doctor/physician or poison center  
  - If swallowed: rinse mouth. Do NOT induce vomiting  
  - If inhaled: Remove person to fresh air and keep comfortable for breathing  
  - If exposed or concerned: Get medical advice/attention.  
  - Store locked up.  
  - Dispose of contents/container to appropriate waste disposal facility, in accordance with local/regional/national/international regulations |
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SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% by wt</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylene glycol</td>
<td>(CAS-No.) 107-21-1</td>
<td>90-97</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>diethylene glycol</td>
<td>(CAS-No.) 111-46-6</td>
<td>0.5-5</td>
<td>Acute Tox. 4 (Oral), H302 STOT RE 2, H373</td>
</tr>
<tr>
<td>water</td>
<td>(CAS-No.) 7732-18-5</td>
<td>1-5</td>
<td>Not classified</td>
</tr>
<tr>
<td>potassium 2-ethylhexanoate</td>
<td>(CAS-No.) 3164-85-0</td>
<td>0-5</td>
<td>Repr. 2, H361</td>
</tr>
<tr>
<td>sodium 2-ethylhexanoate</td>
<td>(CAS-No.) 19788-89-3</td>
<td>0-5</td>
<td>Repr. 2, H361</td>
</tr>
<tr>
<td>denatonium benzoate</td>
<td>(CAS-No.) 3734-33-6</td>
<td>0.003 - 0.005 [30 - 50 ppm]</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16

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 breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Rinse immediately with plenty of water (for at least 15 minutes), Get medical advice/attention.

First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. If eye irritation persists: Get medical advice and attention.

First-aid measures after ingestion: Obtain emergency medical attention. Rinse mouth. If the person is fully conscious, make him/her drink two glasses of water. Never give an unconscious person anything to drink. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell. If medical advice is delayed, and if the person has swallowed a moderate volume of material (a few ounces), then give three to four ounces of hard liquor, such as whiskey. For children, give proportionally less liquor, according to weight.

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

Symptoms/effects: Causes damage to organs (kidneys). Oral. Suspected of damaging fertility or the unborn child.

Symptoms/effects after skin contact: May cause moderate irritation.

Symptoms/effects after eye contact: Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion: Swallowing a small quantity of this material will result in serious health hazard. The lethal dose in humans is estimated to be 100 mL (3 oz).

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

A more effective intravenous antidote for physician uses is 4-methylpyrazole, a potent inhibitor of alcohol dehydrogenases, which effectively blocks the formation of toxic metabolites of ethylene glycol. It has been used to decrease the metabolic consequences of ethylene glycol poisoning before metabolic acidosis coma, seizures, and renal failure have occured.

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream. May spread fire.
5.2. Special hazards arising from the substance or mixture

Fire hazard: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Product is not flammable or combustible but may burn under fire conditions.

Reactivity: No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. Use personal protective equipment as required.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Store away from other materials.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use. Product may become solid at temperatures below -18 ºC (0 ºF). Do not store near food, foodstuffs, drugs or potable water supplies. Do not cut, drill, weld, use a blowtorch on, etc. containers even when empty.

Incompatible products: Keep away from strong acids, strong bases and oxidizing agents.

Incompatible materials: Sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>denatonium benzoate (3734-33-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ethylene glycol (107-21-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH Local name</td>
</tr>
<tr>
<td>------------------</td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
</tr>
<tr>
<td>ACGIH TWA (ppm)</td>
</tr>
</tbody>
</table>
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### ethylene glycol (107-21-1)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>ACGIH STEL (mg/m³)</th>
<th>10 mg/m³ (Inhalable fraction, Aerosol only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>50 ppm (Vapor fraction)</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Upper respiratory tract &amp; eye irritant</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Regulatory reference</td>
<td>ACGIH 2018</td>
</tr>
</tbody>
</table>

### diethylene glycol (111-46-6)
Not applicable

### water (7732-18-5)
Not applicable

### potassium 2-ethylhexanoate (3164-85-0)
Not applicable

### sodium 2-ethylhexanoate (19766-89-3)
Not applicable

8.2. **Appropriate engineering controls**
No additional information available

8.3. **Individual protection measures/Personal protective equipment**

**Personal protective equipment:**
Avoid all unnecessary exposure. Gloves. Safety glasses.

**Hand protection:**
Wear protective gloves.

**Eye protection:**
Chemical goggles or safety glasses

**Respiratory protection:**
Respiratory protection not required in normal conditions. If exposed to levels above exposure limits wear appropriate respiratory protection.

**Other information:**
Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

9.1. **Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>62.07 g/mol Ethylene Glycol</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH 50% water solution</td>
<td>8</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>Nil</td>
</tr>
<tr>
<td>Freezing point</td>
<td>-18 °C (0 °F)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>158 °C (317 °F)</td>
</tr>
<tr>
<td>Flash point [100% Ethylene Glycol]</td>
<td>116 °C (241 °F)</td>
</tr>
<tr>
<td>Auto-ignition temperature [100% Ethylene Glycol]</td>
<td>400 °C (752 °F)</td>
</tr>
</tbody>
</table>

Literature
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: < 0.1 @ 20 °C
Relative vapor density at 20 °C: No data available
Specific Gravity: 1.12
Density: 1.12 kg/l (9.34 lbs/gal)
Solubility: Water: Complete
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive limits: 3.2 - 15.3 vol %
Explosive properties: Not applicable.
Oxidizing properties: Not applicable.

9.2. Other information
VOC content: 0 %

SECTION 10: Stability and reactivity

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

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Extremely high or low temperatures. Keep away from any flames or sparking source.

10.5. Incompatible materials
Keep away from strong acids, strong bases and oxidizing agents.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>denatonium benzoate (3734-33-6)</td>
<td>oral</td>
<td>584 mg/kg (Rat, Literature study, Oral)</td>
</tr>
<tr>
<td></td>
<td>dermal</td>
<td>&gt; 2000 mg/kg (Rabbit, Literature study, Dermal)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>584 mg/kg bodyweight</td>
</tr>
<tr>
<td>ethylene glycol (107-21-1)</td>
<td>oral</td>
<td>7712 mg/kg bodyweight (according to BASF-internal standards, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s))</td>
</tr>
<tr>
<td></td>
<td>inhalation rat (mg/l)</td>
<td>&gt; 2.5 mg/l (6 h, Rat, Male / female, Experimental value, Inhalation (aerosol))</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>500 mg/kg bodyweight</td>
</tr>
<tr>
<td>diethylene glycol (111-46-6)</td>
<td>oral</td>
<td>19600 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Oral)</td>
</tr>
<tr>
<td></td>
<td>dermal</td>
<td>11890 mg/kg (Rabbit, Dermal)</td>
</tr>
<tr>
<td></td>
<td>inhalation rat (mg/l)</td>
<td>&gt; 4.6 mg/l/4h (Other, 4 h, Rat, Weight of evidence)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td></td>
<td>500 mg/kg bodyweight</td>
</tr>
<tr>
<td></td>
<td>dermal</td>
<td>11890 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
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Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

Reproductive toxicity: Suspected of damaging fertility or the unborn child.
STOT-single exposure: Not classified

STOT-repeated exposure: May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Aspiration hazard: Not classified
Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.
Symptoms/effects: Causes damage to organs (kidneys) Oral. Suspected of damaging fertility or the unborn child.
Symptoms/effects after skin contact: May cause moderate irritation.
Symptoms/effects after eye contact: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion: Swallowing a small quantity of this material will result in serious health hazard. The lethal dose in humans is estimated to be 100 mL (3 oz).

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: No additional information available.

denatonium benzoate (3734-33-6)
LC50 fish 1 > 1,000.00 mg/l (96 h, Salmo gairdneri, Literature study)
EC50 Daphnia 1 13.00 mg/l (48 h, Daphnia magna, Literature study)
edethylene glycol (107-21-1)
LC50 fish 1 40,761.00 mg/l (96 h, Salmo gairdneri, Static system)
EC50 Daphnia 1 > 10,000.00 mg/l (24 h, Daphnia magna)
diyethylene glycol (111-46-6)
LC50 fish 1 > 5,000.00 ppm (24 h, Carassius auratus)
EC50 Daphnia 1 > 10,000.00 mg/l (24 h, Daphnia magna)
LC50 fish 2 75,200.00 mg/l (Other, 96 h, Pimephales promelas, Flow-through system, Experimental value)
EC50 Daphnia 2 > 10,000.00 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability
denatonium benzoate (3734-33-6)
Persistence and degradability: Biodegradability in water: no data available. No (test) data on mobility of the substance available.
edethylene glycol (107-21-1)
Persistence and degradability: Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD) 0.47 g O2/g substance
Chemical oxygen demand (COD) 1.24 g O2/g substance
ThOD 1.29 g O2/g substance
BOD (% of ThOD) 0.36
diyethylene glycol (111-46-6)
Persistence and degradability: Biodegradable in the soil. Biodegradable in water.
Biochemical oxygen demand (BOD) 0.02 g O2/g substance
Chemical oxygen demand (COD) 1.51 g O2/g substance
ThOD 1.51 g O2/g substance
BOD (% of ThOD) 0.02
12.3. **Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denatonium Benzoate (3734-33-6)</td>
<td>1.78 (Estimated value)</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
<tr>
<td>Ethylene Glycol (107-21-1)</td>
<td>0.21 - 0.6 (Procambarus sp., Chronic)</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
<tr>
<td>Diethylene Glycol (111-46-6)</td>
<td>0.05 N/m</td>
<td>Highly mobile in soil.</td>
</tr>
</tbody>
</table>

12.4. **Mobility in soil**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denatonium Benzoate (3734-33-6)</td>
<td>No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>Ethylene Glycol (107-21-1)</td>
<td>No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>Diethylene Glycol (111-46-6)</td>
<td>Highly mobile in soil.</td>
</tr>
</tbody>
</table>

12.5. **Other adverse effects**

Effect on the ozone layer : No known effect on the ozone layer

Other information : Avoid release to the environment.

**SECTION 13: Disposal considerations**

13.1. **Waste treatment methods**

<table>
<thead>
<tr>
<th>Product/Packaging disposal recommendations</th>
<th>Ecology - waste materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

**SECTION 14: Transport information**

**Department of Transportation (DOT)**

In accordance with DOT

Non Bulk (in quantities under 5,000 lbs in any one inner package):

Not regulated by the US DOT

Bulk (in quantities 5,000 lbs or over in any one inner package):

<table>
<thead>
<tr>
<th>Transport document description</th>
<th>UN-3082 Environmentally hazardous substances, liquid, n.o.s. (Ethylene Glycol), 9, III</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No.(DOT)</td>
<td>UN3082</td>
</tr>
<tr>
<td>Proper Shipping Name (DOT)</td>
<td>Environmentally hazardous substances, liquid, n.o.s. Ethylene Glycol</td>
</tr>
<tr>
<td>Class (DOT)</td>
<td>9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140</td>
</tr>
<tr>
<td>Packing group (DOT)</td>
<td>III - Minor Danger</td>
</tr>
</tbody>
</table>
Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
DOT Packaging Bulk (49 CFR 173.xxx) : 241
DOT Symbols : G - Identifies PSN requiring a technical name
DOT Packaging Exceptions (49 CFR 173.xxx) : 155
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : No limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : No limit
DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
Other information : No supplementary information available.

Transportation of Dangerous Goods
Refer to current TDG Canada for further Canadian regulations

Transport by sea
In accordance with IMDG / IMO

Proper Shipping Name (IMDG) : Not regulated by IMDG (in quantities under 5,000 lbs in any one inner package)

Air transport
In accordance with IATA / ICAO

Proper Shipping Name (IATA) : Not regulated by IATA (in quantities under 5,000 lbs in any one inner package)

SECTION 15: Regulatory information
15.1. US Federal regulations

Full Force Long Life Concentrate Antifreeze and Coolant

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed</th>
</tr>
</thead>
</table>

**denatonium benzoate (3734-33-6)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**ethylene glycol (107-21-1)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERCLA RQ</td>
<td>5000 lb(s)</td>
</tr>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
<td>Refer to Section 2 for the OSHA hazard classification</td>
</tr>
<tr>
<td></td>
<td>Ethylene glycol is subject to Tier I and/or Tier II annual inventory reporting.</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>Ethylene glycol is subject to Form R Reporting requirements.</td>
</tr>
</tbody>
</table>

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

**water (7732-18-5)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**potassium 2-ethylhexanoate (3164-85-0)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory
10/01/2019 EN (English) 9/10

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15.2. International regulations

CANADA
Full Force Long Life Concentrate Antifreeze and Coolant
WHMIS Classification
This SDS has been prepared according to the criteria of the Hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2.2 of this SDS.

15.3. US State regulations

WARNING: This product can expose you to ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ethylene glycol (107-21-1)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
<th>Maximum allowable dose level (MADL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
<td>(ingested) 8,700 (oral) µg/day</td>
</tr>
</tbody>
</table>

diethylene glycol (111-46-6)

<table>
<thead>
<tr>
<th>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</th>
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SECTION 16: Other information

Revision date : 10/01/2019

Full text of H-statements:

| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.
Full Force Long Life Concentrate Antifreeze and Coolant
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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