1. Identification

Product identifier
ES COMPLEAT PG CONCENTRATE (Propylene glycol based antifreeze)

Other means of identification
LT16590

SDS number
CC2830 (1 gallon / 3.785 L); CC2831 (55 gallon / 208 L Drum); CC2832 (Bulk); CC2849 (5 gallon / 18.9 L Pail); CC2833 (275 gallon / 1040 L Tote tanks)

Product code
Concentrated, extended life antifreeze, especially for use in heavy duty diesel engines.

Recommended use
No restrictions on use known.

Recommended restrictions
Chemical family
Mixture of: Water; glycol; Mixture of inorganic salts.

Manufacturer
Cummins Filtration
1200 Fleetguard Road
Cookeville, TN, U.S.A.
38506

Telephone
(931) 526 9551

Website
www.cumminsfiltration.com

E-Mail
fleetmaster.us@cummins.com

Supplier information
Refer to Manufacturer

Emergency phone number
Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

2. Hazard(s) Identification

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Physical hazards
This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

Health hazards
Reproductive toxicity - Category 1B

Environmental hazards
Not currently regulated by OSHA, refer to Section 12 for additional information.

OSHA defined hazards
This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

Supplemental Information
Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and direct flame. Keep away from incompatibles. Store in a cool, dry, well ventilated area.
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>Propane-1,2-diol, 1,2-Dihydroxypropane</td>
<td>57-55-6</td>
<td>90.0 - 100.0</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>Nitrous acid sodium salt</td>
<td>7632-00-0</td>
<td>0.1 - 0.5</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>Anhydrous sodium tetraborate, Borax</td>
<td>1330-43-4</td>
<td>0.1 - 0.3</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>1H-Benzotriazole, 4(or 5)-methyl-, sodium salt</td>
<td>64665-57-2</td>
<td>0.1 - 0.3</td>
</tr>
</tbody>
</table>

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

4. First-aid measures

**Inhalation**
Move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. IF exposed or concerned: Get medical attention/advice.

**Skin contact**
Immediately flush with plenty of water, while removing contaminated clothing. If irritation or symptoms develop, seek medical attention.

**Eye contact**
Immediately flush eye(s) with plenty of water. After initial flushing, remove any contact lenses if worn, and continue flushing for at least 5 to 10 minutes. If irritation or symptoms develop, seek medical attention.

**Ingestion**
Do not induce vomiting. IF exposed or concerned: Get medical attention/advice. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**
May damage fertility or the unborn child. Contains chemicals that may cause male reproductive toxicity and developmental toxicity. This product contains: Sodium tetraborate. Direct eye contact may cause slight or mild, transient irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Direct skin contact may cause temporary redness. Inhalation of mists or sprays may mildly irritate the upper respiratory tract and cause coughing or sneezing. Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

**Indication of any immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically.

**General Information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

**Suitable extinguishing media**
Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Toxic fumes may be released during a fire.

**Special protective equipment and precautions for fire-fighters**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**Fire-fighting equipment/instructions**
Move containers from fire area if safe to do so. Use water spray to keep containers cool. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.
SAFETY DATA SHEET

General fire hazards
Not flammable under normal conditions of handling. However, may burn if exposed to extreme heat and flame.

Hazardous combustion products
Carbon oxides; Nitrogen oxides (NOx); phosphorus oxides; Boron and compounds.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Restrict access to area until completion of clean-up. Keep all other personnel upwind and away from the spill/release. Ensure clean-up is conducted by trained personnel only. All persons dealing with the clean-up should wear the appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.

Methods and materials for containment and cleaning up
Ventilate the area. Stop the spill at source if it is safe to do so. Eliminate all ignition sources.

Clean-up methods - small spillage: Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Pick up and transfer to properly labelled containers. Never return spills in original containers for re-use. Contaminated absorbent material may pose the same hazards as the spilled product.

Clean-up methods - large spillage: Contain spilled liquid with non-combustible, inert absorbent material (e.g. sand). Remove liquid by pumps or vacuum equipment. Keep in properly labelled containers.

Notify the appropriate authorities as required. Refer to Section 13 for disposal of contaminated material.

Environmental precautions
Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

7. Handling and storage

Precautions for safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Wear suitable protective equipment during handling. Use with adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep away from acids and other incompatibles. Keep containers tightly closed when not in use. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Wash thoroughly after handling. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Store locked up. Keep out of the reach of children. Do not store near any incompatible materials (see Section 10).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA</td>
<td>10 mg/m³ (AIHA WEEL)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEL</td>
<td>6 mg/m³ (inhalable fraction, listed under Borate compounds, inorganic)</td>
</tr>
<tr>
<td>TWA</td>
<td>2 mg/m³ (inhalable fraction, listed under Borate compounds, inorganic)</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Eye / face protection

Chemical splash goggles are recommended.

Skin protection

Gloves impervious to the material are recommended. Advice should be sought from glove suppliers. Wear sufficient clothing to prevent skin contact. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.

Hand protection

Wear appropriate thermal protective clothing, when necessary.

Other

Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

Respiratory protection

Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. Seek advice from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134).

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Thin liquid.

Color

blue

Odor

Little or no odor.

Odor threshold

N/Av

pH

11.0 - 11.6

Melting point /freezing point

N/Av

Initial boiling point and boiling range

188°C (370.4°F)

Flash point

102.8°C (217°F)

Cleveland Open Cup

Evaporation rate

N/Av

Flammability (solid, gas)

N/Ap

Lower flammability/explosive limit

N/A

Upper flammability/explosive limit

N/Av

Vapor pressure

0.07 mmHg @ 20°C (68°F)

Vapor density

> 1 (Air = 1)

Relative density

1.04 - 1.07

Solubility(ies)

N/Av

Other solubility(ies)

N/Av

Solubility (water)

Complete

Partition coefficient

(n-octanol/water)

N/Av

Auto-ignition temperature

N/Av

Material name: ES COMPLEAT PG CONCENTRATE (Propylene glycol based antifreeze)

CC2830; CC2831; CC2832; CC2849; CC2833  SDS No. LT16590  Version #: 1  Issue date: 05-28-2015
## SAFETY DATA SHEET

### Decomposition temperature
N/Av

### Viscosity
N/Av

### Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None known.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.04 - 1.07</td>
</tr>
<tr>
<td>VOC</td>
<td>N/Av</td>
</tr>
<tr>
<td>Volatilities %</td>
<td>N/Av</td>
</tr>
<tr>
<td>Other physical/chemical data</td>
<td>No additional information.</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

#### Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

#### Chemical stability
Stable under the recommended storage and handling conditions prescribed.

#### Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

#### Conditions to avoid
Keep away from extreme heat and flame. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

#### Incompatible materials
Strong oxidizing agents; Strong acids; Strong bases.

#### Hazardous decomposition products
None known, refer to hazardous combustion products in Section 5.

### 11. Toxicological information

#### Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Mild respiratory irritant</td>
</tr>
<tr>
<td>Skin &amp; Eye</td>
<td>May cause mild skin irritation. Direct eye contact may cause slight or mild, transient irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause gastrointestinal irritation.</td>
</tr>
<tr>
<td>Absorption</td>
<td>Not expected to be absorbed through the skin.</td>
</tr>
</tbody>
</table>

#### Most important symptoms/effects, acute and delayed
May damage fertility or the unborn child. Contains chemicals that may cause male reproductive toxicity and developmental toxicity. This product contains: Sodium tetraborate. Direct eye contact may cause slight or mild, transient irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Direct skin contact may cause temporary redness. Inhalation of mists or sprays may mildly irritate the upper respiratory tract and cause coughing or sneezing. Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

#### Information on toxicological effects

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not expected to be hazardous by OSHA criteria. The calculated ATE values for this mixture are: ATE oral = 53,254 mg/kg</td>
</tr>
</tbody>
</table>

See below for individual ingredient acute toxicity data.
### SAFETY DATA SHEET

#### Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Propylene glycol</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td><strong>Sodium nitrite</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td><strong>Sodium tetraborate</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td><strong>Sodium tolytriazole</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
</tr>
</tbody>
</table>

#### Skin Corrosion/Irritation
Not expected to be hazardous by OSHA criteria.

#### Serious eye damage/Irritation
Not expected to be hazardous by OSHA criteria.

#### Respiratory or skin sensitization
Not expected to be a skin or respiratory sensitizer.

#### Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### Carcinogenicity
Not expected to be hazardous by OSHA criteria. No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

#### Reproductive toxicity
Hazardous by OSHA criteria. Classification: Reproductive toxicity - Category 1B. May damage fertility or the unborn child. Contains: Sodium tetraborate, anhydrous. The data regarding subchronic and chronic oral exposure to boric acid or borax (Disodium tetraborate, anhydrous) in laboratory animals have demonstrated reproductive toxicity. Available animal data indicates that this substance has toxic effects on the male reproductive tract. Testicular lesions have been observed in rats, mice, and dogs administered boric acid or borax in food or drinking-water (INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY Environmental Health Criteria document # 204).

#### Specific target organ toxicity - single exposure
Not expected to be hazardous by OSHA criteria.
SAFETY DATA SHEET

Specific target organ toxicity - repeated exposure
Not expected to be hazardous by OSHA criteria.

Chronic effects
Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

Aspiration toxicity
Not expected to be hazardous by OSHA criteria.

Further information
None known or reported by the manufacturer.

12. Ecological information
Ecotoxicity
There is no data available for this product. Harmful to aquatic life. The product contains the following substances which are hazardous for the environment: Sodium nitrite. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>LC50 / 96h</th>
<th>NOEC / 21 day</th>
<th>M Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>46 500 mg/L (Fathead minnow)</td>
<td>N/Av</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>0.54 mg/L (Rainbow trout)</td>
<td>N/Av</td>
<td>1</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>1330-43-4</td>
<td>79.7 mg/L (Fathead minnow) (Read-across)</td>
<td>6.4 mg/L/34 days (Zebra fish) (Read-across)</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>64665-57-2</td>
<td>25 mg/L (Rainbow trout)</td>
<td>N/Av</td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>EC50 / 48h</th>
<th>NOEC / 21 day</th>
<th>M Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>43 500 mg/L (Daphnia magna)</td>
<td>N/Av</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>15.4 mg/L (Daphnia magna)</td>
<td>N/Av</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>1330-43-4</td>
<td>91 mg/L Ceriodaphnia (water flea)</td>
<td>10.8 mg/L (Read-across)</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>64665-57-2</td>
<td>280 mg/L (Daphnia magna)</td>
<td>18.4 mg/L</td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>EC50 / 96h or 72h</th>
<th>NOEC / 96h or 72h</th>
<th>M Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>19 000 mg/L/96hr (Green algae)</td>
<td>N/Av</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>≥ 100 mg/L/72hr (Green algae)</td>
<td>100 mg/L/72hr</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>1330-43-4</td>
<td>52.4 mg/L/72hr (Green algae) (Read-across)</td>
<td>17.5 mg/L/72hr (Read-across)</td>
<td>None.</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>64665-57-2</td>
<td>26.2 mg/L/72hr (Green algae)</td>
<td>10 mg/L/72hr</td>
<td>None.</td>
</tr>
</tbody>
</table>

Persistence and degradability
No data is available on the product itself.
The following ingredients are considered to be readily biodegradable: Propylene glycol; sodium nitrite.
Contains the following chemicals which are not readily biodegradable: Sodium tetraborate; Sodium tolytriazole.

Bioaccumulation potential
No data is available on the product itself.
See the following data for ingredient information.
SAFETY DATA SHEET

Components | Partition coefficient n-octanol/water (log Kow) | Bioconcentration factor (BCF)
--- | --- | ---
Propylene glycol (CAS 57-55-6) | 1.41 to - 0.3 | 1.4
Sodium nitrite (CAS 7632-00-0) | - 3.7 | 3.162 (estimated)
Sodium tetraborate (CAS 1330-43-4) | N/Av | 121 (algea)
Sodium tolytriazole (CAS 64665-57-2) | 1.083 | N/Av

Mobility in soil
No data is available on the product itself.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal consideration

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable federal, state, territory and local regulations.

Local disposal regulations
If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

Waste from residues / unused products
Dispose of contents/container in accordance with local regulation. Empty containers should be disposed of in accordance with the requirements of the following legislation:

Contaminated packaging
Empty containers should be taken for local recycling or waste disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

49CFR/DOT
Not regulated as dangerous goods

ICAO/IATA
Not regulated as dangerous goods

IMDG
Not regulated as dangerous goods

General information
This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
This information is not available.

15. Regulatory information

US Federal Information:
Components listed below are present on the following U.S. Federal chemical lists:
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>Yes</td>
<td>None.</td>
<td>None.</td>
<td>No</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>Yes</td>
<td>100 lb/ 45.4 kg</td>
<td>None.</td>
<td>Yes</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>1330-43-4</td>
<td>Yes</td>
<td>None.</td>
<td>None.</td>
<td>No</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>64665-57-2</td>
<td>Yes</td>
<td>None.</td>
<td>None.</td>
<td>No</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - NO
- Delayed Hazard - Yes
- Fire Hazard - NO
- Pressure Hazard - NO
- Reactivity Hazard - NO

US state regulations

The following chemicals are specifically listed by individual States:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>California Proposition 65</th>
<th>State &quot;Right to Know&quot; Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Listed</td>
<td>Type of Toxicity</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>No</td>
<td>N/Ap</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>No</td>
<td>N/Ap</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>1330-43-4</td>
<td>No</td>
<td>N/Ap</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>64665-57-2</td>
<td>No</td>
<td>N/Ap</td>
</tr>
</tbody>
</table>

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Inventories

Components listed below are present on the following International Inventory lists:
# SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>European EINECs</th>
<th>Australia AICS</th>
<th>Philippines PICCS</th>
<th>Japan ENCS</th>
<th>Korea KECI/KECL</th>
<th>China IECSC</th>
<th>NewZealand IOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>200-338-0</td>
<td>Present</td>
<td>Present</td>
<td>(2)-234</td>
<td>KE-29267</td>
<td>Present</td>
<td>May be used as a single component chemical under an appropriate group standard</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>231-555-9</td>
<td>Present</td>
<td>Present</td>
<td>(1)-483</td>
<td>KE-31546</td>
<td>Present</td>
<td>HSR001286</td>
</tr>
<tr>
<td>Sodium tetraborate</td>
<td>1330-43-4</td>
<td>215-540-4</td>
<td>Present</td>
<td>Present</td>
<td>(1)-69</td>
<td>KE-12384</td>
<td>Present</td>
<td>HSR002799</td>
</tr>
<tr>
<td>Sodium tolytriazole</td>
<td>64665-57-2</td>
<td>265-004-9</td>
<td>Present</td>
<td>Present</td>
<td>(5)-3601</td>
<td>KE-23499</td>
<td>Present</td>
<td>May be used as a single component chemical under an appropriate group standard</td>
</tr>
</tbody>
</table>

## 16. Other information, including date of preparation or last revision

- **Issue date**: 05/28/2015
- **Version #**: 1

**Legend**

- ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- ATE: Acute Toxicity Estimate
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- COC: Cleveland Open Cup
- DOT: Department of Transportation
- EC50: Effective Concentration 50%
- EINECS: European Inventory of Existing Commercial chemical Substances
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- IBC: Intermediate Bulk Container
- ICAO: International Civil Aviation Organisation
- IECSC: Inventory of Existing Chemical Substances
- IMDG: International Maritime Dangerous Goods
- Inh: Inhalation
- IOC: Inventory of Chemicals
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- MA: Massachusetts
- MN: Minnesota
- N/Ap: Not Applicable
- N/Av: Not Available
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NTP: National Toxicology Program
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PA: Pennsylvania
- PEL: Permissible exposure limit
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- RCRA: Resource Conservation and Recovery Act

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Material name: ES COMPLEAT PG CONCENTRATE (Propylene glycol based antifreeze)

CC2830; CC2831; CC2832; CC2849; CC2833 SDS No. LT16590 Version #: 1 Issue date: 05-28-2015
SAFETY DATA SHEET

RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average

Other special considerations for handling:
Provide adequate information, instruction and training for operators.

Disclaimer
The information in this SDS was obtained from sources, which we believe are reliable. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by use of this material. This SDS was prepared, and is to be used, for this product only. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. If the product is used as a component in another product, this information may not be applicable. Users of this product should satisfy themselves that the conditions and methods of use assure the product is used safely. No representations or warranties, either expressed or implied, of any nature are made hereunder with respect to the information contained herein. It is the responsibility of the user to comply with any and all federal, state, or local laws and regulations that may exist. Nothing contained herein is to be construed as a recommendation for use in violation of any applicable laws or regulations.

Bibliography
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3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2015 (Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - March 2015 version.