**Fleetcool EX EG Concentrate**  
Safety Data Sheet  
Date of issue: 06/06/2016  
Revision date: 05/05/2017  
Version: 2.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product name: Fleetcool EX EG Concentrate  
Product code: CC2739, CC2739 X, CC2740, CC2740 X, CC2741, CC2741 X, CC2742, CC2742 X

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

Use of the substance/mixture: Concentrate Antiboil/Antifreeze Coolant

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

**Manufacturer:**  
Cummins Filtration  
1200 Fleetguard Road  
Cookeville, TN 38506 - USA  
T 931-526-9551

**Distributor:**  
Cummins Western Canada  
Canadian Distributor  
11751 181 St.  
Edmonton, AB T5S 2K5, Canada  
1-780-455-2151

#### 1.4. Emergency telephone number


### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**GHS classification**

Acute Tox. 4 (Oral)  
STOT SE 3

#### 2.2. Label elements

**GHS labelling**

**Hazard pictograms (GHS):**

- ![GHS07](image)

**Warning**

- Harmful if swallowed. May cause respiratory irritation.
- Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.
- If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>(CAS No) 107-21-1</td>
<td>93.04 - 96.84</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>(CAS No) 7632-00-0</td>
<td>0.29 - 0.35</td>
</tr>
</tbody>
</table>

*The concentrations listed represent actual ranges that result from batch variability.*
**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. **Special hazards arising from the substance or mixture**

Fire hazard: Products of combustion may include, and are not limited to: oxides of carbon.

5.3. **Advice for firefighters**

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to cool exposed surfaces.

**SECTION 6: Accidental release measures**

6.1. **Personal precautions, protective equipment and emergency procedures**

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. **Methods and material for containment and cleaning up**

For containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container. Provide ventilation.

6.3. **Reference to other sections**

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

Precautions for safe handling: Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapours, spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures: Wash hands before eating, drinking, or smoking. Launder contaminated clothing before reuse.

7.2. **Conditions for safe storage, including any incompatibilities**

Storage conditions: Keep out of the reach of children. Keep only in original container. Keep container tightly closed. Keep in a cool, well-ventilated place.

7.3. **Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**

<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
<th>ACGIH ACGIH Ceiling (mg/m³)</th>
<th>100 mg/m³ (aerosol only)</th>
</tr>
</thead>
</table>

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<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
<th>OSHA</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium nitrite (7632-00-0)</td>
<td>ACGIH</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, etc.) below recommended exposure limits.

Hand protection: Wear suitable gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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

Physical state: Liquid

Appearance: No data available.

Colour: Pink

Odour: Odourless

Odour threshold: No data available

pH: 10.4

Melting point: No data available

Freezing point: No data available

Boiling point: > 162.8 °C (> 325 °F)

Flash point: No data available

Relative evaporation rate (butylacetate=1): No data available

Flammability (solid, gas): Not flammable

Explosive limits: No data available

Explosive properties: No data available

Oxidising properties: No data available

Vapour pressure: No data available

Relative density: 1.118

Relative vapour density at 20 °C: No data available

Solubility: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

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

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Harmful if swallowed.

<table>
<thead>
<tr>
<th>Fleetcool EX EG Concentrate</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt;300 but ≤2000 mg/kg (Calculated using ATE values)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sodium nitrite (7532-00-0)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>85 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>5.5 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): May cause respiratory irritation.
Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: May cause long-term adverse effects in the aquatic environment.

<table>
<thead>
<tr>
<th>Fleetcool EX EG Concentrate</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fleetcool EX EG Concentrate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fleetcool EX EG Concentrate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility in soil</td>
<td>No additional information available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fleetcool EX EG Concentrate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect on the global warming</td>
<td>No known effects from this product.</td>
</tr>
</tbody>
</table>

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG
Not regulated for transport

Additional information

Other information: No supplementary information available.
Special transport precautions: Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

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

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>1.0 %</td>
</tr>
</tbody>
</table>

**Sodium nitrite (7632-00-0)**

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>1.0 %</td>
</tr>
</tbody>
</table>

15.2. US State regulations

**Fleetcool EX EG Concentrate**

<table>
<thead>
<tr>
<th>State or local regulations</th>
<th>This product contains a chemical known to the State of California to cause birth defects or other reproductive harm</th>
</tr>
</thead>
</table>

SECTION 16: Other information

Date of issue: 06/06/2016
Revision date: 05/05/2017
Other information: None.
Prepared by: Nexreg Compliance, Inc.
Prepared for: Cummins Filtration

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