SECTION 1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product ID: Xtreme HD Extended Life Antifreeze & Coolant 50/50
Product Name: Xtreme HD Extended Life Antifreeze & Coolant 50/50
Revision Date: Apr 12, 2018
Date Printed: Apr 18, 2018
Version: 1.0
Supersedes Date: N.A.
Manufacturer’s Name: Martin Operating Partnership L.P.
Address: P.O. Box 191, Kilgore, TX, US, 75663
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 870-864-7800
Fax:
Product/Recommended Uses:

SECTION 2) HAZARDS IDENTIFICATION

Classification
Acute toxicity Oral - Category 4
Eye Irritation - Category 2A
Skin Irritation - Category 3
Specific Target Organ Toxicity - Repeated Exposure - Category 1
Specific Target Organ Toxicity - Single Exposure - Category 1

Pictograms

Signal Word
Danger

Hazardous Statements - Health
H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H316 - Causes mild skin irritation
H372 - Causes damage to organs through prolonged or repeated exposure.
H370 - Causes damage to organs.

Precautionary Statements - General
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary Statements - Response
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 - Rinse mouth.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P314 - Get Medical advice/attention if you feel unwell.
P305 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor.
P321 - Specific treatment (see First-aid measures on this label).

Precautionary Statements - Storage
P405 - Store locked up.

Precautionary Statements - Disposal
P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Hazards Not Otherwise Classified (HNOC)
None.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical Name</th>
<th>% By Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000107-21-1</td>
<td>ETHYLENE GLYCOL</td>
<td>81% - 100%</td>
</tr>
<tr>
<td>0019766-89-3</td>
<td>Hexanoic acid, 2-ethyl-, sodium salt (1:1)</td>
<td>3% - 6%</td>
</tr>
</tbody>
</table>

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation
Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.
IF exposed, feel unwell or concerned: Call a POISON CENTER/doctor.

Skin Contact
Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes or until medical aid is available. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

Eye Contact
If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Ingestion
Rinse mouth. If exposed or concerned: Get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed
No data available

Indication of Immediate Medical Attention and Special Treatment Needed
SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
- Small Fire: Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.
- Large Fire: Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media
- Do not use straight stream of water.

Specific Hazards in Case of Fire
- This material will burn although it is not easily ignited. Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Oxides of C, Zn, Ca, P and S. Additional byproducts include hydrogen sulfide, alkyl mercaptan and other sulfides. Containers may explode in fire.

Fire-fighting Procedures
- Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions
- Wear protective pressure self-contained breathing apparatus (SCBA).

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure
- Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material.

Recommended equipment
- Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions
- Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions
- Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Methods and Materials for Containment and Cleaning up
- Collect with absorbent, non-combustible material, inert material such as sand, sawdust, etc., into suitable containers. Dispose off according to federal, state and local regulations. Ventilate area after clean-up is complete.

SECTION 7) HANDLING AND STORAGE

General
- Wash hands after use.
- Do not get in eyes, on skin or on clothing.
Do not get in eyes, on skin or on clothing.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

**Ventilation Requirements**
Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

**Storage Requirements**
All containers must be properly labelled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye protection
Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### Skin protection
Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

### Respiratory protection
If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

### Appropriate Engineering Controls
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of gas, vapors or dusts below their respective threshold limit value.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA TWA (ppm)</th>
<th>OSHA TWA (mg/m3)</th>
<th>OSHA STEL (ppm)</th>
<th>OSHA STEL (mg/m3)</th>
<th>OSHA Tables (Z1, Z2, Z3)</th>
<th>OSHA Carcinogen</th>
<th>OSHA Skin designation</th>
<th>NIOSH TWA (ppm)</th>
<th>NIOSH TWA (mg/m3)</th>
<th>NIOSH STEL (ppm)</th>
<th>NIOSH STEL (mg/m3)</th>
<th>NIOSH Carcinogen</th>
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</thead>
<tbody>
<tr>
<td>ETHYLENE GLYCOL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH TWA (mg/m3)</th>
<th>ACGIH STEL (ppm)</th>
<th>ACGIH STEL (mg/m3)</th>
<th>ACGIH Carcinogen</th>
<th>ACGIH Notations</th>
<th>ACGIH TLV Basis</th>
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</thead>
<tbody>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>25(V)</td>
<td>50(V)</td>
<td>10(I, H)</td>
<td>A4</td>
<td>A4</td>
<td>URT irr</td>
<td></td>
</tr>
</tbody>
</table>

A4 - Not Classifiable as a Human Carcinogen, irr - Irritation, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>9.35 lb/gal</td>
</tr>
</tbody>
</table>

Xtreme HD Extended Life Antifreeze & Coolant 50/50  www.martinlubricants.com
Appearance: Free & clear liquid
Odor Threshold: N.A.
Odor Description: N.A.
\[ \text{pH} \] 8.2 - 8.8 (50/50)
Water Solubility: N.A.
Flammability: N/A
Flash Point Symbol: N.A.
Flash Point, COC: 116 °C
Viscosity: N.A.
Lower Explosion Level: N.A.
Upper Explosion Level: N.A.
Vapor Pressure: N.A.
Vapor Density: N.A.
Freezing Point: -19 °C
Melting Point: N.A.
Low Boiling Point: 158 °C
High Boiling Point: N.A.
Auto Ignition Temp: N.A.
Decomposition Pt: N.A.
Evaporation Rate: N.A.
Coefficient Water/Oil: N.A.
Specific Gravity: 1.12

### SECTION 10) STABILITY AND REACTIVITY

**Stability**

Stable

**Conditions to Avoid**

Avoid heat, sparks, flame and contact with incompatible materials

**Hazardous Polymerization**

Will not occur.

**Incompatible Materials**

Avoid contact with acids and oxidizing materials.

**Hazardous Decomposition Products**

None under normal temperatures and pressures.

### SECTION 11) TOXICOLOGICAL INFORMATION

**Likely route of exposure**

Inhalation, ingestion, skin absorption

**Skin Corrosion/Irritation**

Causes mild skin irritation

**Serious Eye Damage/Irritation**

Causes serious eye irritation

**Respiratory/Skin Sensitization**
No Data Available

Respiratory/Skin Sensitization
No Data Available

Germ Cell Mutagenicity
No Data Available

Carcinogenicity
No Data Available

Reproductive Toxicity
No Data Available

Specific Target Organ Toxicity - Single Exposure
Causes damage to organs.

Specific Target Organ Toxicity - Repeated Exposure
Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard
No Data Available

Acute Toxicity
Harmful if swallowed

0000107-21-1 ETHYLENE GLYCOL
LD₅₀ (oral, rat): 5.89 g/kg; 8.54 g/kg; 13.0 g/kg (5)
LD₅₀ (oral, mouse): 7.5 g/kg; 15.28 g/kg (5,6)
LD₅₀ (oral, guinea pig): 6.6 g/kg; 11.0 g/kg (5)
LD₅₀ (oral, rabbit): 5.0 g/kg (5)
LD₅₀ (dermal, rabbit): 9.5 g/kg (6)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity
No Data Available

Persistence and Degradability
No Data Available.

Bio-accumulative Potential
No Data Available.

Mobility in Soil
No Data Available.

Other Adverse Effects
No Data Available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal
Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.
SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information
  UN number: Not Regulated
  Proper shipping name: N/A (N/A)
  Hazard class: N/A
  Packaging group: N/A
  Hazardous substance (RQ): No Data Available
  Toxic-Inhalation Hazard: No Data Available
  Marine Pollutant: No Data Available
  Note / Special Provision: No Data Available

IMDG Information
  UN number: Not Regulated
  Proper shipping name: N/A (N/A)
  Hazard class: N/A
  Packaging group: N/A
  Marine Pollutant: No Data Available
  Note / Special Provision: No Data Available

IATA Information
  UN number: Not Regulated
  Hazard class: N/A
  Packaging group: N/A
  Proper shipping name: N/A (N/A)
  Note / Special Provision: No Data Available

SECTION 15) REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>% By Weight</th>
<th>Regulation List</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>81% - 100%</td>
<td>SARA313, CERCLA,HAPS,SARA312,TSCA,TX_ESL,CA,Prop65 - California Proposition 65</td>
</tr>
<tr>
<td>Hexanoic acid, 2-ethyl-, sodium salt (1:1)</td>
<td>3% - 6%</td>
<td>SARA312,TSCA,TX_ESL</td>
</tr>
</tbody>
</table>

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary
ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-
DISCLAIMER
This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

Information provided in this Safety Data Sheet is considered accurate and reliable based on information issued from internal and outside sources to the best of Martin Operating Partnership L.P.’s knowledge; however, Martin Operating Partnership L.P. makes no representations, guarantees or warranties, expressed or implied, of merchantability or fitness for the particular purpose, regarding the accuracy of such information or the result to be obtained from the use thereof or as to the sufficiency of information herein presented. Martin Operating Partnership L.P. assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Martin Lubricants, a division of Martin Operating Partnership L.P., must rely upon information provided by the material manufacturers or distributors.