

# Safety Data Sheet

Revision Date: 01-May-2020

Version 1



Issue Date: 12-Jun-2015

## 1. IDENTIFICATION

### Product Identifier

**Product Name** HEAVY DUTY FLUSH

### Other means of identification

**SDS #** UC-011

**UN/ID No**

### Recommended use of the chemical and restrictions on use

**Recommended Use** Dissolves buildup in cooling systems.

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

#### Supplier Address

Ultimate Chemicals LLC  
PO BOX 7557  
MOORE, OK 73135

### Emergency Telephone Number

**Company Phone Number** Phone: 405-799-1127  
Fax: 405-794-0747  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

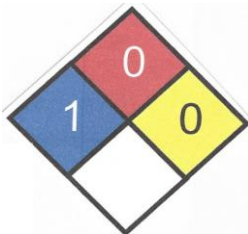
**Appearance** Clear

**Physical State** Liquid

**Odor** Pleasant

### Classification

Not a hazardous substance or mixture	Category 1
--------------------------------------	------------



### Signal Word

**Hazard Statements**

None

**Precautionary Statements - Prevention**

Normal for handling of liquids and drum size containers. Protect from freezing. If allowed to freeze thaw completely before use. Keep away from pets and children. Keep out of eye and avoid prolonged exposure to skin.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing With neutralizing eye wash.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Induce vomiting. Drink large quantity of milk . Obtain Medical Attention

**Precautionary Statements - Storage**

Store locked up. Wear goggles if splashing may occur. High concentration of product on floor may be slippery. Use Caution

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant. Dilute to a weak solution and flush down drain. Saturated Absorbent may be dispose in a landfill.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Biodegradable anionic & non ionic surfactants	Mixture	<20%
Mixture of propylene glycol butoxy & glycol ether EB	Mixture	<4

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a poison center or doctor/physician.
<b>Skin Contact</b>	Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Immediately call a poison center or doctor/physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Induce vomiting. Drink large quantity of milk.. Immediately call a poison center or doctor/physician.

**Most important symptoms and effects****Symptoms****Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

<b>5. FIRE-FIGHTING MEASURES</b>
----------------------------------

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water can be used to cool containers exposed to fire.

<b>Unsuitable Extinguishing Media</b>	Not determined.
---------------------------------------	-----------------

**Specific Hazards Arising from the Chemical**

Overheated drums may rupture because of steam

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<b>6. ACCIDENTAL RELEASE MEASURES</b>
---------------------------------------

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

<b>Personal Precautions</b>	Use personal protective equipment as required.
-----------------------------	--

<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.
----------------------------------	---

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

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
--------------------------------	---

<b>Methods for Clean-Up</b>	Soak up with inert absorbent material. Neutralize residue with citric acid or other neutralizing agents for basic materials. Pick up and transfer to properly labeled containers.
-----------------------------	---

<b>7. HANDLING AND STORAGE</b>
--------------------------------

**Precautions for safe handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Do not breathe vapors or spray mist. Wash face, hands, and any exposed skin thoroughly after handling.
--------------------------------	---

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

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from freezing. If product freezes, allow to thaw completely prior to use. Store away from incompatible materials.
---------------------------	---

<b>Incompatible Materials</b>	Acids. Bleach. Ammonia.
-------------------------------	-------------------------

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Biodegradable anionic & non ionic surfactants	NE	NE	NE
Mixture of propylene butoxy and Glycol ether EB	NE	NE	NE

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses. Ensure that eyewash stations and safety showers are close to workstation

**Skin and Body Protection** Impervious clothing. Choose body protection according to the amount & concentration of the substance in the work place.

**Respiratory Protection** In the case of vapor formation use a respirator with an approved air filter..

### **General Hygiene Considerations**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Pleasant
<b>Appearance</b>	Liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	8.5-9.5	

<b>Melting Point/Freezing Point</b>	Not determined
<b>Boiling Point/Boiling Range</b>	100 °C
<b>Flash Point</b>	Non-flammable
<b>Evaporation Rate</b>	Same as water
<b>Flammability (Solid, Gas)</b>	Liquid-not applicable
<b>Upper Flammability Limits</b>	Not determined
<b>Lower Flammability Limit</b>	Not determined
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	0.99 g/m <sup>3</sup>
<b>Specific Gravity</b>	Not determined
<b>Water Solubility</b>	Completely soluble
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined

<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable

### Chemical Stability

Stable under normal conditions

### Possibility of Hazardous Reactions

Vapors may form explosive mixture with air. No decomposition if use as directed.

### Conditions to Avoid

No data available

### Incompatible Materials

Oxidizing agents

### Hazardous Decomposition Products

Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Vapors may cause irritation to the eyes
<b>Skin Contact</b>	May cause skin irritation and /or dermatitis
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Biodegradable anionic & non ionic surfactants	Acute oral toxicity Acute toxicity Estimate: >5,000mg/kg	May cause skin irritation and /or dermatitis	-
Mixture of propylene glycol butoxy & glycol ether EB			-
			-

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
-----------------	--

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	No data available
------------------------	-------------------

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea

**Persistence/Degradability**

Readily biodegradable.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Biodegradable anionic & non ionic surfactants	No data
Mixture of propylene glycol butoxy & glycol ether EB	No Data

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

- Disposal of Wastes**                      Dispose of in accordance with local regulations. Do not contaminate ponds ,waterways or Ditches with chemical or used container. Do not dispose of into sewer
  
- Contaminated Packaging**            Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

**DOT**

**UN/ID No** NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS  
**Proper Shipping Name**  
**Hazard Class**  
**Packing Group**

**IATA**

**UN/ID No** NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS  
**Proper Shipping Name**  
**Hazard Class**  
**Packing Group**

**IMDG**

**UN/ID No** NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS  
**Proper Shipping Name**  
**Hazard Class**  
**Packing Group**

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	0	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	Not determined

Issue Date: 12-Jun-2015  
 Revision Date: 01-May-2020  
 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**