

MATERIAL SAFETY DATA SHEET

Trade Name: HEARTLAND OIL SUP. FLUSH 32oz 12/CS
MSDS NO. 71216
Revision Date: 12/26/2001
Date Printed: 09/26/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: HEARTLAND OIL SUP. FLUSH 32oz 12/CS
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300

Supplier: Heartland MFG. Co., PO Box 1520, Wheaton, IL 60189

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
Solvent Refined Light Paraffinic Distillate 64741-89-5	80-90	5 mg/m3	None Established	5 mg/m3	None Established
Glycol Ether EB 111-76-2	10-20	50 ppm	Not Determined	20 ppm	Not Determined

3. HAZARDS IDENTIFICATION

4. FIRST AID MEASURES

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): Not Determined
Flash Point Method: Not Determined
Flammable Limits in Air - Lower (%): NT
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): Not Determined
Extinguishing Media: Alcohol foam.

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Hazardous Combustion Products: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
Spill Procedures: Wear protective equipment specified. Avoid the generation of dust. Sweep, vacuum, or shovel and place into closable container for disposal.
Neutralize with suitable neutralizing agent after diluting with water.
Environmental Precautions: Keep away from drains.

7. HANDLING AND STORAGE

Handling and Storage: Use ground strap.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Exhaust ventilation.
Eyes: Wear safety glasses or goggles to protect against exposure.
Skin Protection: Not Determined
Respiratory Protection: Use in a well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid
Odor: Not Determined
Vapor Pressure: Not Determined
Boiling Point (°F): Not determined.
Solubility in Water: Not Determined
Molecular Weight: Not Determined
Viscosity: Not determined.
VOC Content(%): Not determined.

pH Value: Not Determined
Vapor Density (Air=1): Not Determined
Melting/Freezing Point: Not determined.
Bulk Density at 20°C: Not Determined
Evaporation Rate: Not Determined
Specific Gravity (H2O=1): .868
Decomposition Temperature: Not Known

10. STABILITY AND REACTIVITY

Trade Name: HEARTLAND OIL SUP. FLUSH 32oz 12/CS **MSDS NO.** 71216
Chemical Stability: STABLE.
Conditions to Avoid: Keep away from any contact with water.
Materials to Avoid: Contact with oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide.
Hazardous Polymerization: MAY OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
Solvent Refined Light Paraffinic Distillate 64741-89-5	80-90	Oral	Rats	LD50 >15 gm/kg
Glycol Ether EB 111-76-2	10-20	Inhalation	Rats	LC50 450 ppm/4H

Carcinogenicity:

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Solvent Refined Light Paraffinic Distillate 64741-89-5	80-90	Not Listed	Not Listed	Not Listed
Glycol Ether EB 111-76-2	10-20	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.
Waste Management: Not determined.
 Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT:
Proper Shipping Name: ORM-D CONSUMER COMMODITY
Hazard Class: ORM-D
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable
IMDG:
Proper Shipping Name: Not determined.
Hazard Class: Not determined.
Hazard Subclass: Not determined.
UN No.: Not determined.
Packing Group: Not determined.
Marine Pollutant: Not determined.

15. REGULATORY INFORMATION

US Federal Regulations:

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Solvent Refined Light Paraffinic Distillate 64741-89-5	80-90	Not Listed	Not Listed	NA	NA
Glycol Ether EB 111-76-2	10-20	Not Listed	Not Listed	NA	NA

SARA 311/312 Hazard Categories: Not Determined.

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State Regulations:

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Solvent Refined Light Paraffinic Distillate 64741-89-5	80-90	Not Listed	Not Listed	Not Listed	Not Listed
Glycol Ether EB 111-76-2	10-20	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA: The components of this product are listed on the TSCA Inventory.

16. OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

Disclaimer:

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