

# MATERIAL SAFETY DATA SHEET

**Trade Name:** Heartland High Mileage Fuel Treatment  
**MSDS NO.** 61212  
**Revision Date:** 04/30/2004  
**Date Printed** 04/30/2004

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Heartland High Mileage Fuel Treatment  
**Chemical Family:** PETROLEUM DISTILLATE  
**Synonyms:** None  
**Emergency Telephone (24 hr.):** CHEMTREC 1-800-424-9300

**Supplier:** The Heartland, P.O. 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
Heavy Aliphatic Naphtha 64742-96-7	50-80	Not Listed	Not Listed	Not Listed	Not Listed
Alkylphenol polyoxyalkyl alkylamine proprietary	5-30	Not Listed	Not Listed	Not Listed	Not Listed
1,2,4-trimethylbenzene 95-63-6	0-10	Not Established	Not Established	Not Established	Not Established
1,3,5-trimethylbenzene 108-67-8	0-5	Not Listed	Not Listed	25 ppm	Not Listed
o-Xylene 95-47-6	0-2	None Established	None Established	100 ppm	150 ppm
N-Propylbenzene 103-65-1	0-2	Not Listed	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	0-2	100 ppm	Not Known	100 ppm	150 ppm
1,2,3-Trimethylbenzene 526-73-8	0-2	Not Listed	Not Listed	25 ppm	Not Listed
Cumene 98-82-8	0-2	50 ppm	Not Established	50 ppm	Not Established

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Warning! May cause delayed lung injury. Combustible Liquid and Vapor. Exposure to vapors can cause central nervous system depression, drowsiness, weakness, headache, dizziness, and nausea. Harmful if inhaled. Avoid breathing vapors. Avoid contact with skin and eyes. Keep away from heat, sparks, and flame.

**HMIS Classification:** Health: \*2 Flammability: 2 Physical Hazard: 0  
**NFPA Rating:** Health: 2 Flammability: 2 Reactivity: 0

## 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, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. If victim is conscious and alert, give 1-2 glasses of water to drink. If vomiting occurs, keep head lower than hips to prevent aspiration.

**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:** Flush with copious amounts of water. Get immediate medical attention. Remove contaminated clothing and discard. Remove contaminated shoes and discard.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** 111.2 F (lowest component)  
**Flash Point Method:** PMCC  
**Flammable Limits in Air - Lower (%):** Not Determined  
**Flammable Limits in Air - Upper (%):** Not Determined  
**Autoignition Temperature °F(°C):** Not Determined  
**Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam. Use water spray to keep containers cool that are exposed to heat or flames. Water stream may spread fire.

### Protection Of Fire-Fighters:

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.

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**Hazardous Combustion Products:** Oxides of Carbon. Fumes and Smoke. Oxides of Nitrogen.  
**Aerosol Comments:** Not Applicable

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill Procedures:** Sweep or scrape up material and place in a suitable clean, dry container for disposal by approved methods. Remove sources of ignition. Increase area ventilation. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers.  
**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

**7. HANDLING AND STORAGE**

**Handling and Storage:** Keep containers tightly closed when not in use. Keep away from heat and open flame. Wash thoroughly after handling. Use only with adequate ventilation. Avoid extreme temperatures. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Exhaust ventilation. Showers. Eyewash stations.  
**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.  
**Skin Protection:** Nitrile coated apron or clothing. Neoprene coated apron or clothing. Avoid skin contact. Wear protective clothing and gloves.  
**Respiratory Protection:** Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear, pale yellow solution  
**Odor:** AMINE ODOR **pH Value:** Not Determined  
**Vapor Pressure:** Not Determined **Vapor Density (Air=1):** Not Determined  
**Boiling Point (°F):** Not Determined **Melting/Freezing Point:** Not Determined  
**Solubility in Water:** NEGLIGIBLE **Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Mixture **Evaporation Rate:** Not Determined  
**Viscosity:** Not Determined **Specific Gravity (H2O=1):** Not Determined  
**VOC Content(%):** Not Determined **Decomposition Temperature:** Not Known

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal conditions of handling, use and transportation.  
**Conditions to Avoid:** Keep away from heat, sparks and flame. Do not expose to heat or store at temperatures above 120 F.  
**Materials to Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide and other asphyxiates.  
**Hazardous Polymerization:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

Ingredient/CAS No.	wt. %	Route	Species	Dose
Heavy Aliphatic Naphtha 64742-96-7	50-80	Inhalation	Rats	>3.6 mg/l
Alkylphenol polyoxyalkyl alkylamine proprietary	5-30	Inhalation	Rats	Not known.
1,2,4-trimethylbenzene 95-63-6	0-10	Inhalation	Rats	LC50 18 gm/m3/4H
1,3,5-trimethylbenzene 108-67-8	0-5	Inhalation	Rats	LC 50: 24 mg/m3 (4 hour)
o-Xylene 95-47-6	0-2	NA	NA	None Known
N-Propylbenzene 103-65-1	0-2	Oral	Rats	LD 50 6040 mg/kg
Xylene 1330-20-7	0-2	Inhalation	Rats	LC50 5000 ppm
1,2,3-Trimethylbenzene 526-73-8	0-2	Inhalation	Rats	Not known.
Cumene 98-82-8	0-2	Inhalation	Mice	LC50 10 gm/m3/7H

**Carcinogenicity:**

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Heavy Aliphatic Naphtha 64742-96-7	50-80	Not Listed	Not Listed	Not Listed

**Trade Name:** Heartland High Mileage Fuel Treatment **MSDS NO.** 61212

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Alkylphenol polyoxyalkyl alkylamine proprietary	5-30	Not Listed	Not Listed	Not Listed
1,2,4-trimethylbenzene 95-63-6	0-10	Not Listed	Not Listed	Not Listed
1,3,5-trimethylbenzene 108-67-8	0-5	Not Listed	Not Listed	Not Listed
o-Xylene 95-47-6	0-2	Not Listed	Not Listed	Not Listed
N-Propylbenzene 103-65-1	0-2	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	0-2	Group 3 (not classifiable)	Not Listed	Not Listed
1,2,3-Trimethylbenzene 526-73-8	0-2	Not Listed	Not Listed	Not Listed
Cumene 98-82-8	0-2	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

## 13. DISPOSAL CONSIDERATION

**Waste Classification:** Not determined.

**Waste Management:** Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts.

Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

**U.S. DOT:**

**Proper Shipping Name:** Consumer Commodity  
**Hazard Class:** ORMD  
**UN/NA Number:** Not Applicable  
**DOT Packing Group:** Not Applicable

**IMDG:**

**Proper Shipping Name:** Flammable Liquid, nos  
**Hazard Class:** 3  
**Hazard Subclass:** Not Determined  
**UN No.:** 1993  
**Packing Group:** III  
**Marine Pollutant:** Yes

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Heavy Aliphatic Naphtha 64742-96-7	50-80	Not Listed	Not Listed		Not Listed
Alkylphenol polyoxyalkyl alkylamine proprietary	5-30	Not Listed	Not Listed	Not Listed	Not Listed
1,2,4-trimethylbenzene 95-63-6	0-10	Listed	Not Listed	NA	NA
1,3,5-trimethylbenzene 108-67-8	0-5	Not Listed	Not Listed	Not Listed	Not Listed
o-Xylene 95-47-6	0-2	Listed	Not Listed	1000 lbs	NA
N-Propylbenzene 103-65-1	0-2	Not Listed	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	0-2	Listed	Not Listed	100	NA
1,2,3-Trimethylbenzene	0-2	Not Listed	Not Listed	Not Listed	Not Listed

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Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
526-73-8					
Cumene 98-82-8	0-2	Listed	Not Listed	5000 lbs.	NA

**SARA 311/312 Hazard Categories:** Immediate/Acute, Delayed/Chronic, Fire

**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
Heavy Aliphatic Naphtha 64742-96-7	50-80	Not Listed	Not Listed	Not Listed	Not Listed
Alkylphenol polyoxyalkyl alkylamine proprietary	5-30	Not Listed	Not Listed	Not Listed	Not Listed
1,2,4-trimethylbenzene 95-63-6	0-10	Not Listed	Not Listed	Not Listed	Not Listed
1,3,5-trimethylbenzene 108-67-8	0-5	Not Listed	Not Listed	Not Listed	Not Listed
o-Xylene 95-47-6	0-2	Not Listed	Not Listed	Not Listed	Not Listed
N-Propylbenzene 103-65-1	0-2	Not Listed	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	0-2	Not Listed	Not Listed	Not Listed	Not Listed
1,2,3-Trimethylbenzene 526-73-8	0-2	Not Listed	Not Listed	Not Listed	Not Listed
Cumene 98-82-8	0-2	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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