

# MATERIAL SAFETY DATA SHEET

**Trade Name:** Heartland Pure Power Fuel System Additive  
**MSDS NO.** 61013  
**Revision Date:** 04/03/2003  
**Date Printed** 10/28/2003

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Heartland Pure Power Fuel System Additive  
**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
Distillates (Petroleum Straight Run Middle) 64741-44-2	90-100	None Established	None Established	None Established	None Established
Solvent naphtha (petroleum), light aromatic 64742-95-6	1-10	None Established	None Established	None Established	None Established
1,2,4-trimethylbenzene 95-63-6	1-10	Not Established	Not Established	Not Established	Not Established
Polyolefin alkylphenol HC1 alkylamine N/A	1-10	None Established.	None Established.	None Established.	None Established.

## 3. HAZARDS IDENTIFICATION

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

## 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:** Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. If irritation or rash develops, obtain medical assistance.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** >155 F  
**Flash Point Method:** TAG Closed Cup  
**Flammable Limits in Air - Lower (%):** .7 vol %  
**Flammable Limits in Air - Upper (%):** 6 vol %  
**Autoignition Temperature °F(°C):** >550 F  
**Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam. Water stream may spread fire. Use water spray to keep containers cool that are exposed to heat or flames.

### Protection Of Fire-Fighters:

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.  
**Hazardous Combustion Products:** Fumes and Smoke. Oxides of Carbon. Oxides of Nitrogen.  
**Aerosol Comments:** Not Applicable

## 7. HANDLING AND STORAGE

**Handling and Storage:** Keep away from heat and open flame. Keep containers tightly closed when not in use. 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.

## 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. Increase area ventilation. Remove sources of ignition. 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.

# MATERIAL SAFETY DATA SHEET

Trade Name: HRTLND INT.SYS.CLNR.12OZ.12/CS  
MSDS NO. 61017  
Revision Date: 12/27/2002  
Date Printed: 09/26/2003

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: HRTLND INT.SYS.CLNR.12OZ.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
Xylene 1330-20-7	65-75	100 ppm	Not Known	100 ppm	150 ppm
Isopropyl Alcohol 67-63-0	15-25	400 ppm	Not Known	400 ppm	500 ppm
Diacetone alcohol 123-42-2	5-15		None Established	None Established	None Established

## 3. HAZARDS IDENTIFICATION

Emergency Overview: Warning: Extremely Flammable. Aromatic solvent odor

## 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:** DO NOT INDUCE VOMITING. Give nothing by mouth. Get medical attention! 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:** 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): 53F (lowest component)  
Flash Point Method: TAG Closed Cup  
Flammable Limits in Air - Lower (%): NT  
Flammable Limits in Air - Upper (%): Not Determined  
Autoignition Temperature °F(°C): Not Determined  
Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

### Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.  
Hazardous Combustion Products: Carbon Dioxide. Carbon Monoxide. Fumes and Smoke.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill Procedures:** Wear protective equipment specified. Keep away from heat sparks and flames. Avoid all sources of ignition; heat, sparks and open flames. Ventilate spill area. Soak up material with absorbent and place in chemical waste container. Remove sources of ignition. Increase area ventilation. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Stop release at source. Dike area and contain. Clean up small spills and leaks immediately. Use non-sparking tools and equipment.  
**Environmental Precautions:** Keep away from drains.

## 7. HANDLING AND STORAGE

**Handling and Storage:** Use ground strap. Keep container closed when not in use. Avoid contact with skin and eyes. Warning: Flammable. Keep away from food and smoking materials. Wash hands before eating and smoking. Use in a well ventilated area to prevent irritation by vapors.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Exhaust ventilation.  
**Eyes:** Wear safety glasses or goggles to protect against exposure.  
**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves.  
**Respiratory Protection:** Use in a well ventilated area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid  
Odor: OF XYLENE SOLVENT ODOR  
Vapor Pressure: Not Determined  
Boiling Point (°F): Not determined.  
pH Value: Not Determined  
Vapor Density (Air=1): Not Determined  
Melting/Freezing Point: Not determined.

**Trade Name:** HRTLND INT.SYS.CLNR.12OZ.12/CS      **MSDS NO.** 61017  
**Solubility in Water:** MODERATELY      **Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Not Determined      **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.  
**Conditions to Avoid:** Keep away from heat, sparks and flame. Avoid any source of ignition.  
**Materials to Avoid:** Contact with oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide.  
**Hazardous Polymerization:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

Ingredient/CAS No.	wt. %	Route	Species	Dose
Xylene 1330-20-7	65-75	Inhalation	Rats	LC50 5000 ppm
Isopropyl Alcohol 67-63-0	15-25	Inhalation	Rats	LC50 16,000 ppm
Diacetone alcohol 123-42-2	5-15	Oral	Rats	LD50 4000mg/kg

**Carcinogenicity:**

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Xylene 1330-20-7	65-75	Group 3 (not classifiable)	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	15-25	Not Listed	Not Listed	Not Listed
Diacetone alcohol 123-42-2	5-15	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:** Flammable Liquid, n.o.s.  
**Hazard Class:** 3  
**Hazard Subclass:** Not determined.  
**UN No.:** UN 1993  
**Packing Group:** II  
**Marine Pollutant:** Not determined.

**15. REGULATORY INFORMATION**

**US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ

**Trade Name:** HRTLND INT.SYS.CLNR.12OZ.12/CS **MSDS NO.** 61017

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Xylene 1330-20-7	65-75	Listed	Not Listed	100	NA
Isopropyl Alcohol 67-63-0	15-25	Listed	Not Listed	NA	NA
Diacetone alcohol 123-42-2	5-15	Not Listed	Not Listed	NA	NA

**SARA 311/312 Hazard Categories:** Not Determined.

**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
Xylene 1330-20-7	65-75	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	15-25	Not Listed	Not Listed	Not Listed	Not Listed
Diacetone alcohol 123-42-2	5-15	Not Listed	Not Listed	Not Listed	None Established

**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:**

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN HAVE BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE. TO THE BEST OF THE COMPANY'S KNOWLEDGE AND BELIEF THEY ARE ACCURATE AND RELIABLE AS OF THE DATE ISSUED. THE COMPANY DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY OR RELIABILITY, AND SHALL NOT BE LIABLE FOR ANY DAMAGE ARISING OUT OF THE USE THEREOF. IT IS THE USER'S RESPONSIBILITY TO SATISFY THAT THE INFORMATION IS SUITABLE AND COMPLETE FOR ITS PARTICULAR USE.

**Trade Name:** Heartland Pure Power Fuel System Additive **MSDS NO.** 61013

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Exhaust ventilation. Showers. Eyewash stations.  
**Eyes:** Wear safety glasses or goggles to protect against exposure. Chemical goggles; also wear a face shield if splashing hazard exists.  
**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves. Neoprene coated apron or clothing. Nitrile coated apron or clothing.  
**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:** Colorless to light yellow liquid  
**Odor:** KEROSENE **pH Value:** Not Determined  
**Vapor Pressure:** .00386 psia @ 68F **Vapor Density (Air=1):** 6  
**Boiling Point (°F):** >400F **Melting/Freezing Point:** 25F  
**Solubility in Water:** NEGLIGIBLE **Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Mixture **Evaporation Rate:** Not Determined  
**Viscosity:** >1.7 cst @ 40C **Specific Gravity (H20=1):** .79 @ 70F  
**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 asphixiates.  
**Hazardous Polymerization:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

Ingredient/CAS No.	wt. %	Route	Species	Dose
Distillates (Petroleum Straight Run Middle) 64741-44-2	90-100	Inhalation	Rats	1700 mg/m3/4H
Solvent naptha (petroleum), light aromatic 64742-95-6	1-10	Oral	Rats	LD50 8400 mg/kg
1,2,4-trimethylbenzene 95-63-6	1-10	Inhalation	Rats	LC50 18 gm/m3/4H
Polyolefin alkylphenol HC1 alkylamine N/A	1-10	NA	NA	Not known.

**Carcinogenicity:**

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Distillates (Petroleum Straight Run Middle) 64741-44-2	90-100	Not Listed	Not Listed	Not Listed
Solvent naptha (petroleum), light aromatic 64742-95-6	1-10	Not Listed	Not Listed	Not Listed
1,2,4-trimethylbenzene 95-63-6	1-10	Not Listed	Not Listed	Not Listed
Polyolefin alkylphenol HC1 alkylamine N/A	1-10	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.

**Trade Name:** Heartland Pure Power Fuel System Additive **MSDS NO.** 61013  
**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:** ORM  
**UN/NA Number:** Not Applicable  
**DOT Packing Group:** Not Applicable

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

**15. REGULATORY INFORMATION**

**US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Distillates (Petroleum Straight Run Middle) 64741-44-2	90-100	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naptha (petroleum), light aromatic 64742-95-6	1-10	Not Listed	Not Listed	NA	NA
1,2,4-trimethylbenzene 95-63-6	1-10	Listed	Not Listed	NA	NA
Polyolefin alkylphenol HC1 alkylamine N/A	1-10	Not Listed.	Not Listed.	N/A	N/A

**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
Distillates (Petroleum Straight Run Middle) 64741-44-2	90-100	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naptha (petroleum), light aromatic 64742-95-6	1-10	Not Listed	Not Listed	Not Listed	Not Listed
1,2,4-trimethylbenzene 95-63-6	1-10	Not Listed	Not Listed	Not Listed	Not Listed
Polyolefin alkylphenol HC1 alkylamine N/A	1-10	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:**

The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.