

# MATERIAL SAFETY DATA SHEET

Trade Name: Heartland Premium ATF Treatment  
MSDS NO. 61085  
Revision Date: 12/27/2002

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Heartland Premium ATF Treatment  
Chemical Family: Petroleum Oil Blend  
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<br>TWA                | OSHA PEL<br>Ceiling Limits | ACGIH TLV<br>TWA               | ACGIH TLV<br>STEL               |
|---|-------|--------------------------------|----------------------------|--------------------------------|---------------------------------|
| Mineral Oil, petroleum distillates,<br>hydrotreated (severe) heavy paraffinic<br>64742-54-7 | 40-50 | None Established               | None Established           | None Established               | None Established                |
| Solvent refined, hydrotreated mineral<br>oil distillate<br>NA                               | 30-40 | 5 Mg/M3 (Oil Mist,<br>Mineral) | None Established           | 5 Mg/M3 (Oil Mist,<br>Mineral) | 10 Mg/M3 (Oil Mist,<br>Mineral) |
| Polysulfide Component<br>NA   | 5-10  | Not Known                      | Not Known                  | Not Known                      | Not Known                       |
| Borated Ester Amine<br>NA   | 5-8   | Not Known                      | Not Known                  | Not Known                      | Not Known                       |
| Styrene Polymer<br>9003-53-6  | 2-5   | None Established               | None Established           | None Established               | None Established                |

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** May irritate the eyes. May irritate the skin. Possible redness and defatting may result from prolonged skin exposure to this material. Avoid breathing oil mist.

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.

**Ingestion:** Do Not Induce Vomiting. This material is practically non-toxic if ingested in small amounts (tablespoonful). Swallowing amounts larger may cause injury. Seek 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:** Wash with soap and water. Remove contaminated clothing and laundry before reuse. If irritation persists or signs of toxicity occur, seek medical attention.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** 400 F.  
**Flash Point Method:** COC  
**Flammable Limits in Air - Lower (%):** Not Determined  
**Flammable Limits in Air - Upper (%):** Not Determined  
**Autoignition Temperature °F(°C):** Not Determined  
**Extinguishing Media:** Foam. Dry chemical. Carbon dioxide. Water fog. Use water spray to keep containers cool that are exposed to heat or flames. DO NOT use straight water streams. Product will float and be reignited on surface of water.

### Protection Of Fire-Fighters:

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Water fog or spray may be used to cool exposed equipment and containers. Do not spray water directly on fire - product will float and could be reignited on surface of water. Material will not burn unless preheated.

**Hazardous Combustion Products:** Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

**Aerosol Comments:** Not Applicable

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill Procedures:** Contain any liquid from leaking containers.  
 Wear proper protective equipment as specified in the protective equipment section. 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.  
**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

**7. HANDLING AND STORAGE**

**Handling and Storage:** Keep container closed when not in use. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Keep away from food and smoking materials. Wash hands before eating and smoking.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Showers. Eyewash stations. Use local exhaust.  
**Eyes:** Wear safety glasses or goggles to protect against exposure.  
**Skin Protection:** Use chemical resistant gloves for prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.  
**Respiratory Protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                         |                                   |                   |
|-----------------------------|-------------------------|-----------------------------------|-------------------|
| <b>Appearance:</b>          | Characteristic dark red | <b>pH Value:</b>                  | Not Determined    |
| <b>Odor:</b>                | MILD PETROLEUM          | <b>Vapor Density (Air=1):</b>     | Not Determined    |
| <b>Vapor Pressure:</b>      | Not Tested              | <b>Melting/Freezing Point:</b>    | Melt point -10 F. |
| <b>Boiling Point (°F):</b>  | Not Determined.         | <b>Bulk Density at 20°C:</b>      | 7.7 lb/gal        |
| <b>Solubility in Water:</b> | NEGLIGIBLE              | <b>Evaporation Rate:</b>          | Not Determined    |
| <b>Molecular Weight:</b>    | Mixture                 | <b>Specific Gravity (H20=1):</b>  | .93 @ 60 F        |
| <b>Viscosity:</b>           | >324 SUS @ 100 F.       | <b>Decomposition Temperature:</b> | Not Known         |
| <b>VOC Content(%):</b>      | Not Determined.         |                                   |                   |

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE.  
**Conditions to Avoid:** Keep away from heat, sparks and flame.  
**Materials to Avoid:** Oxidizing agents.  
**Hazardous Decomposition Products:** Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.  
**Hazardous Polymerization:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

| Ingredient/CAS No.  | wt. % | Route | Species | Dose           |
|---|-------|-------|---------|----------------|
| Mineral Oil, petroleum distillates, hydrotreated (severe) heavy paraffinic 64742-54-7 | 40-50 | Oral  | Rats    | LD50 >15 gm/kg |
| Solvent refined, hydrotreated mineral oil distillate<br>NA                            | 30-40 | NA    | NA      | Not known.     |
| Polysulfide Component<br>NA   | 5-10  | NA    | NA      | Not Known      |
| Borated Ester Amine<br>NA   | 5-8   | NA    | NA      | Not Known      |
| Styrene Polymer<br>9003-53-6  | 2-5   | NA    | NA      | Not Known      |

**Carcinogenicity:**

| Ingredient/CAS No. | wt. % | IARC | NTP | OSHA |
|--------------------|-------|------|-----|------|
|--------------------|-------|------|-----|------|

| Trade Name:   | Heartland Premium ATF Treatment |                            | MSDS NO.   | 61085      |            |
|---|---------------------------------|----------------------------|------------|------------|------------|
| Mineral Oil, petroleum distillates, hydrotreated (severe) heavy paraffinic 64742-54-7 | 40-50                           | Not Listed                 | Not Listed | Not Listed | Not Listed |
| Solvent refined, hydrotreated mineral oil distillate                                  | 30-40                           | Not Known                  | Not Known  | Not Known  | Not Known  |
| NA  |                                 |                            |            |            |            |
| Polysulfide Component   | 5-10                            | Not Listed                 | Not Listed | Not Listed | Not Listed |
| NA  |                                 |                            |            |            |            |
| Borated Ester Amine   | 5-8                             | Not Listed                 | Not Listed | Not Listed | Not Listed |
| NA  |                                 |                            |            |            |            |
| Styrene Polymer   | 2-5                             | Group 3 (not classifiable) | Not Listed | Not Listed | Not Listed |
| 9003-53-6   |                                 |                            |            |            |            |

The International agency for research on cancer has determined there is sufficient evidence for the carcinogenicity in experimental animals of used motor (crankcase) oil. Handling procedures and safety precautions in the MSDS should be followed to minimize employee's exposure to the product if used as a lubricating oil in a gasoline internal combustion engine.

## 12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

## 13. DISPOSAL CONSIDERATION

**Waste Classification:** This product is classified as an oil under section 311 of the Clean Water Act. Spills entering (A) surface waters of (B) any water courses or sewers entering/leading to surface waters that cause a sheen must be reported to the nearest Local Environmental Protection Agency Office.

**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: | Not Regulated  |
| Hazard Class:         | Not Regulated  |
| UN/NA Number:         | Not Applicable |
| DOT Packing Group:    | Not Applicable |

**IMDG:**

|                       |                 |
|-----------------------|-----------------|
| Proper Shipping Name: | Not Regulated   |
| Hazard Class:         | Not Regulated   |
| Hazard Subclass:      | Not determined. |
| UN No.:               | Not Applicable  |
| Packing Group:        | Not Applicable  |
| Marine Pollutant:     | No              |

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

| Ingredient/CAS No.  | wt. % | SARA 313   | SARA 302   | RQ        | TPQ       |
|---|-------|------------|------------|-----------|-----------|
| Mineral Oil, petroleum distillates, hydrotreated (severe) heavy paraffinic 64742-54-7 | 40-50 | Not Listed | Not Listed | NA        | NA        |
| Solvent refined, hydrotreated mineral oil distillate                                  | 30-40 | Not Known  | Not Known  | Not Known | Not Known |
| NA  |       |            |            |           |           |
| Polysulfide Component   | 5-10  | Not Listed | Not Listed | NA        | NA        |
| NA  |       |            |            |           |           |
| Borated Ester Amine   | 5-8   | Not Listed | Not Listed | NA        | NA        |
| NA  |       |            |            |           |           |

**Trade Name:** Heartland Premium ATF Treatment **MSDS NO.** 61085  
 Styrene Polymer 2-5 Not Listed Not Listed NA NA  
 9003-53-6

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

**State Regulations:**

| Ingredient/CAS No.  | wt. % | California Prop. 65<br>Cancer list | California Prop. 65<br>Developmental<br>Toxicity | California Prop. 65<br>Reproductive Female | California Prop. 65<br>Reproductive Male |
|---|-------|------------------------------------|--|--|--|
| Mineral Oil, petroleum distillates,<br>hydrotreated (severe) heavy paraffinic<br>64742-54-7 | 40-50 | Not Listed                         | Not Listed                                       | Not Listed                                 | Not Listed                               |
| Solvent refined, hydrotreated mineral<br>oil distillate<br>NA                               | 30-40 | Not Known                          | Not Known  | Not Known                                  | Not Known                                |
| Polysulfide Component<br>NA   | 5-10  | Not Listed                         | Not Listed                                       | Not Listed                                 | Not Listed                               |
| Borated Ester Amine<br>NA   | 5-8   | Not Listed                         | Not Listed                                       | Not Listed                                 | Not Listed                               |
| Styrene Polymer<br>9003-53-6  | 2-5   | 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 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 IT'S PARTICULAR USE.