

# MATERIAL SAFETY DATA SHEET

Trade Name: Heartland T1 Universal ATF Modifier - Part # 61081  
MSDS NO. 61081  
Revision Date: 08/19/2011

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Heartland T1 Universal ATF Modifier  
Chemical Family: PETROLEUM HYDROCARBON OIL None  
Synonyms:  
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300  
Supplier: QMI, Inc., 3606 Craftsman Blvd, Lakeland, FL 33803

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Lubricating Oil 64742-52-5	95-99	Not Listed	Not Listed	Not Listed
Hitec 511	2-4	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Lubricating Oil 64742-52-5	95-99	2000 mg/m <sup>3</sup> 500 ppm	1600 mg/m <sup>3</sup> 400 ppm	Not Listed
Hitec 511	2-4	Not Listed	Not Listed	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Lubricating Oil 64742-52-5	Not Listed	Not Listed	Not Listed
Hitec 511	Not Listed	Not Listed	Not Listed

## 3. HAZARDS IDENTIFICATION

Emergency Overview: Caution: Combustible. May cause irritation to skin and eyes.

HMIS Classification: Health: 1 Flammability: 1 Physical Hazard: 0  
NFPA Rating: Health: 1 Flammability: 1 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:** 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:** 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: TAG Closed Cup

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## 5. FIRE FIGHTING MEASURES

**Flammable Limits in Air - Lower (%):** NT  
**Flammable Limits in Air - Upper (%):** Not Determined Not Determined  
**Autoignition Temperature °F(°C):** Alcohol foam. Dry chemical.  
**Extinguishing Media:**  
**Protection Of Fire-Fighters:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.  
**Special Fire-Fighting Procedures:** Carbon Monoxide. Carbon Dioxide. Fumes and Smoke. Aldehydes.  
**Hazardous Combustion Products:** Not Applicable  
**Aerosol Comments:**

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. When respiratory protection is required, use an organic vapor and particulate cartridge.  
**Spill Procedures:** Contain any liquid from leaking containers. Only trained and qualified personnel should handle any spilled or leaked product. Keep away from heat sparks and flames. Ventilate spill area. Soak up material with absorbent and place in chemical waste container.  
**Action to be taken if material is released or spilled:** Wipe, scrape or soak up in an inert material and put in a container for disposal. Increase area ventilation. Persons not trained should evacuate area.  
**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. Wash hands before eating and smoking.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Exhaust ventilation.  
**Eyes:** Wear safety glasses or goggles to protect against exposure.  
**Skin Protection:** Use gloves and apron as needed to prevent skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.  
**Respiratory Protection:** Use in a well ventilated area. Use approved NIOSH respiratory protection if TLV exceeded .....Or over exposure is likely.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Red Liquid  
**Odor:** MILD PETROLEUM  
**pH Value:** Not Determined  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Not Determined  
**Boiling Point (°F):** >400 F  
**Melting/Freezing Point:** Not determined.  
**Solubility in Water:** SLIGHT  
**Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Mixture  
**Specific Gravity (H2O=1):** Not determined.  
**Viscosity:** Not determined.  
**Evaporation Rate:** 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.

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## 10. STABILITY AND REACTIVITY

**Materials to Avoid:** Strong oxidizing agents. Strong acids. Concentrated oxygen. Sodium Hydrochlorite and Calcium Hydrochlorite as this presents a serious explosion hazard.  
**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Other asphyxiants.  
**Hazardous Polymerization:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Component	Route	Species	Dose
Lubricating Oil 64742-52-5	NA	NA	Not known.
Hitec 511	Inhalation	Rats	Not known.

Carcinogenicity:

Component	IARC	NTP	OSHA
Lubricating Oil 64742-52-5	Not Listed	Not Listed	Not Listed
Hitec 511	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

## 14. DISPOSAL CONSIDERATION

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

## 16. 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:** Not determined.

## 18. REGULATORY INFORMATION

US Federal Regulations:

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Component	SARA 313	SARA 302	TPQ	RQ
Lubricating Oil 64742-52-5	Not Listed	Not Listed	Not Listed	Not Listed
Hitec 511	Not Listed	Not Listed	Not Listed	Not Listed

SARA 31 1/312 Hazard Categories: Not Determined.

## State Regulations:

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Lubricating Oil 64742-52-5	Not Listed	Not Listed	Not Listed	Not Listed
Hitec 511	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA: One or more components of this product is not listed on the TSCA Inventory.  
Canadian Inventory: One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.

## 16. OTHER INFORMATION

### General Notes: Disclaimer:

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