

MATERIAL SAFETY DATA SHEET

Trade Name: Heartland T3 Converter
MSDS NO. 61083
Revision Date:
Date Printed 07/19/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Heartland T3 Converter
Chemical Family: PETROLEUM HYDROCARBON OIL
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 TLW STEL |
|-------------------------------|-------|-----------------|----------------------------|---------------------------|-------------------|
| Lubricating Oil 64742-52-5 | 95-99 | Not known | Mist 5 mg/m3 | TLV Mist 5 mg/m3 8 HR. | Not Known |
| Trade Secret : Hitec 511 | 2-4 | | | | |

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

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: 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.

Hazardous Combustion Products: Carbon Monoxide. Carbon Dioxide. Fumes and Smoke. Aldehydes.

Aerosol Comments: Not Applicable

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.
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.

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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.
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:

| Ingredient/CAS No. | wt. % | Route | Species | Dose |
|-------------------------------|-------|------------|---------|------------|
| Lubricating Oil 64742-52-5 | 95-99 | NA | NA | Not known. |
| Trade Secret : Hitec 511 | 2-4 | Inhalation | Rats | Not known. |

Carcinogenicity:

| Ingredient/CAS No. | wt. % | IARC | NTP | OSHA |
|-------------------------------|-------|------------|------------|------------|
| Lubricating Oil 64742-52-5 | 95-99 | Not Listed | Not Listed | Not Listed |
| Trade Secret : Hitec 511 | 2-4 | Not Listed | Not Listed | Not Listed |

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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: 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.

15. REGULATORY INFORMATION

US Federal Regulations:

| Ingredient/CAS No. | wt. % | SARA 313 | SARA 302 | RQ | TPQ |
|-------------------------------|-------|------------|------------|----|-----|
| Lubricating Oil 64742-52-5 | 95-99 | Not Listed | Not Listed | NA | NA |
| Trade Secret : Hitec 511 | 2-4 | | | | |

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 |
|-------------------------------|-------|------------------------------------|--|--|--|
| Lubricating Oil 64742-52-5 | 95-99 | Not Listed | Not Listed | Not Listed | Not Listed |
| Trade Secret : Hitec 511 | 2-4 | 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

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

Disclaimer:

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