

MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: **RED LINE DIESEL ENGINE OIL**

REVISION DATE: August 11, 2005

CHEMICAL NAME: Mixture

NFPA CODE: Health: 1 Fire: 1 Reactivity: 0

SECTION 1 - HAZARDOUS INGREDIENTS

0.6 to 1.2% Zinc dialkyldithiophosphate

CAS #68649-42-3

This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs, or National Toxicology program at a concentration > 0.1%.

SECTION 2 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: >450°F

UPPER FLAMMABLE LIMIT: Not Determined.

LOWER FLAMMABLE LIMIT: Not Determined.

EXTINGUISHING MEDIA: CO₂, dry chemical, foam.

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION 3 - HEALTH HAZARD DATA

ORAL TOXICITY: LD 50 greater than 5000 mg/kg in rats. Based on data from components.

EYE IRRITATION: May cause mild eye irritation.

SKIN IRRITATION: May cause mild skin irritation.

OTHER: Unknown.

TLV: None established. Oil mist TLV 5mg/m³.

FIRST AID PROCEDURES

SKIN: Wash well with soap and water.

EYE: Flush well with water.

INHALATION: Remove to fresh air. See a physician if irritation persists.

ORAL: Call a physician. Give two glasses of water and induce vomiting.

ADDITIONAL: None.

SECTION 4 - SPECIAL PROTECTION INFORMATION

VENTILATION PROCEDURE: Mechanical ventilation recommended.

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

EYE PROTECTION: Safety glasses.

OTHER PROTECTION: Long-sleeved shirt.

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SECTION 5 - PHYSICAL DATA

VAPOR PRESSURE: Not Determined
SPECIFIC GRAVITY: 0.91
WATER SOLUBILITY: Insoluble
PERCENT VOLATILE: Not Determined.
VAPOR DENSITY: Not Determined.
EVAPORATION RATE: Not Determined.
ODOR: Mild.
APPEARANCE: Brown oily liquid.

SECTION 6 - STABILITY

STABILITY: Stable
INCOMPATIBILITY: Oxidizing agents
POLYMERIZATION: Will not occur.
THERMAL DECOMPOSITION: Oxides of carbon, nitrogen, phosphorous, zinc, calcium, molybdenum and sulfur. Hydrogen Sulfide and alkyl mercaptans may also result.

SPILL OR LEAK PROCEDURES

SPILL PROCEDURES: Prevent entry into sewers and waterways. Pick up free liquid for disposal. Absorb small amounts on inert material for disposal.

WASTE DISPOSAL: If disposed of, this material is not believed to be a characteristic hazardous waste under RCRA.. Disposal should be in compliance with federal, state, and local laws.

SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS: Store in a cool, dry, place away from flame. Remove contaminated clothing and launder before reuse.

TRANSPORTATION AND LABELING

DOT PROPER SHIPPING NAME: Not Applicable.
DOT HAZARD CLASS: Not Applicable.
DOT ID NUMBER (UN NO.): None
IMO CLASS: Not Applicable.
SARA EXT. HAZ. SUBSTANCES: This product is not known to contain greater than 1.0% of any chemical substance on this list.
SARA SECTON 313: 0.6 to 1.2% Zinc compounds containing 0.12% Zinc.
U.S. TSCA INVENTORY: All components are included on the U.S. TSCA Inventory.
PRECAUTIONARY LABELS: None

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