

**MATERIAL SAFETY DATA SHEET**

PRODUCT TRADE NAME: **RED LINE MOTOR OILS**

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:        CO<sub>2</sub>, 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/m<sup>3</sup>.

**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**

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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.

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**SECTION 6 - STABILITY**

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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.

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**SPILL OR LEAK PROCEDURES**

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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.

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**SPECIAL PRECAUTIONS**

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**TRANSPORTATION AND LABELING**

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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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