

RED LINE SYNTHETIC OIL CORPORATION  
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## MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: **RED LINE 4-CYCLE ALCOHOL FUEL LUBE**

PRODUCT TYPE: Fuel lubricant for methanol-fueled 4-cycle engines.

REVISION DATE: January 22, 1997

CHEMICAL NAME: Mixture

NFPA CODE: Health: 2 Fire: 2 Reactivity: 0

### SECTION 1 - HAZARDOUS INGREDIENTS

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%.

Aliphatic Hydrocarbon Mixture (Petroleum Naphtha) - TLV = 100 ppm CAS #64742-88-7  
Alkylbenzenes - TLV- None established CAS #68515-25-3

### SECTION 2 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: 205°F (96°C)  
UPPER FLAMMABLE LIMIT: Not Determined.  
LOWER FLAMMABLE LIMIT: Not Determined.  
EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical, foam.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with full face piece  
UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors of aliphatic hydrocarbons are heavier than air and may travel to a distant ignition source.

### SECTION 3 - HEALTH HAZARD DATA

ORAL TOXICITY: 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: Inhalation of vapors may cause irritation of nose and throat, dizziness, weakness, headache, nausea, vomiting, blurred vision, tremors, and may have other central nervous system effects.  
CHRONIC TOXICITY: Repeated overexposure to petroleum naphtha can cause nervous system damage.  
TLV: None established.

### FIRST AID PROCEDURES

SKIN: Wash well with soap and water. See a physician if irritation persists.  
EYE: Flush well with water for at least 15 minutes.  
INHALATION: Remove to fresh air. See a physician if irritation persists. If breathing has stopped, apply artificial respiration.  
ORAL: Call a physician. Do not 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 recommended.  
OTHER PROTECTION: NIOSH-approved organic vapor respirator if TLV exceeded. Long-sleeved shirt.

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**SECTION 5 - PHYSICAL DATA**

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VAPOR PRESSURE: Not Determined  
SPECIFIC GRAVITY: 0.96  
WATER SOLUBILITY: Insoluble  
PERCENT VOLATILE: Not Determined.  
VAPOR DENSITY: Not Determined.  
EVAPORATION RATE: Not Determined.  
ODOR: Mild.  
APPEARANCE: Red oily liquid.

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**SECTION 6 - STABILITY**

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STABILITY: Stable  
INCOMPATIBILITY: Strong oxidizing agents.  
POLYMERIZATION: Will not occur.  
THERMAL DECOMPOSITION: Oxides of carbon, phosphorous and nitrogen.

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**SPILL OR LEAK PROCEDURES**

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SPILL PROCEDURES: Ventilate area. Remove sources of ignition. Wear self-contained breathing apparatus, and gloves. Prevent entry into sewers and waterways. Pick up free liquid for recycle/disposal. Absorb small amounts on inert material for disposal.

WASTE DISPOSAL: If disposed of, this material is believed to be non-hazardous. Disposal should be in compliance with federal, state, and local laws.

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**SPECIAL PRECAUTIONS**

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SPECIAL PRECAUTIONS: Store in a cool, dry, place away from flame. Keep containers closed when not in use. Open container in a well-ventilated area. Remove contaminated clothing and launder before reuse.

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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.): Not Applicable.  
IMO CLASS: Not Applicable.  
EPA HAZARDOUS SUBSTANCES: None  
U.S. TSCA INVENTORY: All components are included on the U.S. TSCA Inventory.

PRECAUTIONARY LABELS: Combustible. Harmful if inhaled. May cause chronic health effects.

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