

MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: **RED LINE TWO-CYCLE ALCOHOL PREMIX**

PRODUCT TYPE: Two-cycle premix lubricant for methanol-fuel engines.

REVISION DATE: March 10, 1999

CHEMICAL NAME: Mixture

NFPA CODE: Health: 2 Fire: 1 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 (Naphtha) - TLV =100 ppm CAS #64742-47-8

2-Ethyl Hexanol - TLV - None Established - CAS #104-76-7

Alkylbenzenes - TLV- None established CAS #68515-25-3

SECTION 2 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: 145°F (79°C)

UPPER FLAMMABLE LIMIT: Not Determined.

LOWER FLAMMABLE LIMIT: Not Determined.

EXTINGUISHING MEDIA: CO₂, 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

VAPOR PRESSURE: Not Determined
SPECIFIC GRAVITY: 0.93
WATER SOLUBILITY: Insoluble
PERCENT VOLATILE: Not Determined.
VAPOR DENSITY: Not Determined.
EVAPORATION RATE: Not Determined.
ODOR: Mild.
APPEARANCE: Red oily liquid.

SECTION 6 - STABILITY

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

SPILL OR LEAK PROCEDURES

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.

SPECIAL PRECAUTIONS

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 laundry before reuse.

TRANSPORTATION AND LABELING

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: Harmful if inhaled. May cause eye irritation. May cause skin irritaion.

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