

RED LINE SYNTHETIC OIL CORPORATION
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MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: **RED LINE SI-1**

PRODUCT TYPE: Gasoline fuel injector cleaner and valve detergent

REVISION DATE: September 8, 2000

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%.

1-4.9% Alkenylamine

1-10% Isooctanol - TLV- None established CAS # 104-76-7

1-10% 1,2,4 Trimethylbenzene- TLV - 25 ppm - CAS # 95-63-6

5-20% Aliphatic Naphtha - TWA - 100 ppm - CAS # 64742-88-7

SECTION 2 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: 160°F (71°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: Toxic fumes, gases, or vapors may evolve on burning. Vapors of xylene are heavier than air and may travel to a distant ignition source. Container may rupture on heating.

SECTION 3 - HEALTH HAZARD DATA

ORAL TOXICITY: LD 50 > 5000 mg/kg in rats. Based on data from components.
EYE IRRITATION: May cause eye irritation.
SKIN IRRITATION: May cause skin irritation. Prolonged contact may cause dermatitis.
DERMAL TOXICITY: LD 50 in rabbits is > 2000 mg/kg. Based on data from components.
INHALATION TOXICITY: 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.
OTHER: Nose, throat, and lung irritant. Based on data from components.
CHRONIC TOXICITY: Xylene has been found to cause cardiac, liver, and kidney effects, anemia and eye damage in laboratory animals.
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. If conscious, give two glasses of water.
ADDITIONAL: Note to physician. Treat symptomatically.

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: 0.87
WATER SOLUBILITY: Insoluble
PERCENT VOLATILE: Not Determined.
VAPOR DENSITY: Not Determined.
EVAPORATION RATE: Not Determined.
ODOR: Strong.
APPEARANCE: Dark-colored liquid.

SECTION 6 - STABILITY

STABILITY: Normally stable at moderately elevated temperatures and pressures.
INCOMPATIBILITY: Strong oxidizing agents.
POLYMERIZATION: Will not occur.
THERMAL DECOMPOSITION: Smoke and oxides of carbon, hydrogen, and 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 a hazardous waste under RCRA due to toxicity. Waste management should be in compliance with federal, state, and local laws. If discarding this material, consider the possible relevance of the following chemicals and the treatment standards for the associated U.S. EPA RCRA Hazardous Waste Numbers:
1,2,4 Trimethylbenzene - CAS # 95-63-6

CERCLA REPORTING: Must report hazardous spills of 12850 gallons or more due to xylene.

SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS: **DO NOT HEAT!** Store in a cool (below 120°F), 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: Not known to contain >1% of any SARA Extremely Hazardous Substances.
SARA SECTION 313: 1,2,4 Trimethylbenzene - CAS # 95-63-6
U.S. TSCA INVENTORY: All components are included on the U.S. TSCA Inventory.

PRECAUTIONARY LABELS: Combustible Liquid. Harmful if inhaled. Causes eye irritation. Causes respiratory tract irritation. May be harmful if absorbed through skin. May cause chronic health effects.

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