

## MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: **RED LINE LEAD SUBSTITUTE**

REVISION DATE: April 18, 2008

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 in concentrations >0.1%.

30 - 39% Aliphatic Hydrocarbon Mixture CAS #64742-88-7; Supplier recommended limit TWA 100ppm; STEL 200ppm

1 - 4.9% n-Nonane CAS #111-84-2 OSHA PEL 200ppm; ACGIH TLV-TWA 200ppm

0.5 - 1.5% n-Octane CAS #111-65-9; OSHA PEL 300ppm; OSHA STEL 375ppm; ACGIH TLV-TWA 300ppm

### SECTION 2 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: 223°F (106°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: None.

### SECTION 3 - HEALTH HAZARD DATA

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

EYE IRRITATION: Not expected to cause eye irritation. Based on data from components.

SKIN IRRITATION: May cause mild skin irritation. Based on data from components.

OTHER: Short-term exposure to aliphatic hydrocarbons: Inhalation of vapors may cause irritation of nose and throat, dizziness, or unconsciousness. Prolonged or repeated contact with skin may cause skin irritation.

CHRONIC TOXICITY: Repeated overexposure to petroleum naphtha can cause nervous system damage.

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 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: 0.91  
VISCOSITY @ 40°C: 57 cSt  
WATER SOLUBILITY: Insoluble  
PERCENT VOLATILE: Not Determined.  
VAPOR DENSITY: Not Determined.  
EVAPORATION RATE: Not Determined.  
ODOR: Strong.  
APPEARANCE: Dark brown liquid.

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SECTION 6 - STABILITY

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STABILITY: Normally stable at moderately elevated temperatures and pressures.  
INCOMPATIBILITY: Strong oxidizing agents.  
POLYMERIZATION: Will not occur.  
THERMAL DECOMPOSITION: Smoke and oxides of carbon, sulfur and sodium.

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SPILL OR LEAK PROCEDURES

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SPILL PROCEDURES: Ventilate area. Remove sources of ignition. 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, well-ventilated 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. Discard contaminated shoes.

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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 known.  
U.S. TSCA INVENTORY: All components are included on the U.S. TSCA Inventory.

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

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