

SEALED POWER TECHNOLOGIES / HY-LIFT  
LIMITED PARTNERSHIP DIVISION

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#34

## MATERIAL SAFETY DATA SHEET

DATE OF REVISION: 1/14/92

### PRODUCT IDENTIFICATION

PRODUCT:  
CHEMICAL FAMILY:  
CHEMICAL NAME & SYNONYMS:  
HMS/NFPA CODES:

LL-8 Camshaft & Lifter Pre-Lube  
Petroleum Product - Aliphatic Oil  
None  
(Health; 2) (Flammability; 1) (Reactivity; 0)

### HAZARDOUS INGREDIENTS

\* This material is not known to contain greater than 0.1% of any carcinogen required to be listed under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

\* Contains 10 to 18 percent Zinc Dithiophosphate (CAS# 68649-42-3).

### PHYSICAL DATA

BOILING POINT (°F):  
VAPOR PRESSURE (mm Hg):  
VAPOR DENSITY (Air=1):  
SPECIFIC GRAVITY (Water=1):  
% VOLATILE BY VOLUME:  
EVAPORATION RATE:  
SOLUBILITY IN WATER:  
APPEARANCE AND ODOR:

680° F  
NA  
NA  
0.968  
NA  
NA  
INSOLUBLE  
RED LIQUID WITH MILD OILY ODOR

### FIRE AND EXPLOSION HAZARDS

FLASH POINT:

402° F (COC)

FLAMMABLE LIMITS:

NA

EXTINGUISHING MEDIA:

Agents approved for Class B hazards (dry chemical, carbon dioxide, halogenated agents, foam).

SPECIAL FIRE FIGHTING PROCEDURES:

Recommend wearing self-contained breathing apparatus.  
Avoid breathing fumes.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Toxic fumes, gases or vapors may evolve on burning.

**SEALED POWER TECHNOLOGIES / HY-LIFT**  
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The LD50 in rats is greater than 5g/kg.

Based on actual data.

**EYE IRRITATION:**

Severe eye irritant. Exposure will cause redness, swelling, and discharge from eyes. Based on actual data.

**SKIN IRRITATION:**

Moderate skin irritant. Prolonged contact will cause skin reaction. Based on similar materials.

**DERMAL TOXICITY:**

The LD50 in rabbits is greater than 2g/kg.

Based on actual data.

**EXPOSURE LIMITS:**

This product contains 1 to 10 percent Mineral Oil (OAS# 8012-95-1).

TLV = 5 mg/cubic meter

ACGIH STEL = 10 mg/cubic meter

**EMERGENCY AND FIRST AID****SKIN:**

Wash with soap and water. If irritation develops, seek medical attention. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material.

**EYES:**

Flush with water for at least 15 minutes. Get medical attention if irritation develops or persists.

**INHALATION:**

If adverse affects are observed, remove affected person to fresh air and seek medical attention.

**ORAL:**

Do not induce vomiting. Get immediate medical attention.

**SPECIAL PROTECTION INFORMATION****VENTILATION PROCEDURE:**

Use adequate ventilation to control mists and vapors.

**RESPIRATORY PROTECTION:**

None required under normal conditions of use.

**EYE PROTECTION:**

Safety glasses, safety goggles, or face shield.

**HAND PROTECTION:**

Neoprene gloves.

**ADDITIONAL PROTECTION:**

Use of long sleeve shirt is advisable. Remove rings, watches, or similar items that could cause the lubricant to be entrapped on skin surface. Always launder contaminated clothing before reuse.

**REACTIVITY DATA****STABILITY:**

Stable

**INCOMPATIBILITY:**

Acids and strong oxidizers such as chromates, permanganates, and chlorates.

**POLYMERIZATION:**

Will not occur.

**THERMAL DECOMPOSITION:**

Smoke, carbon monoxide, aldehydes, carbon dioxide. Oxides of sulfur, oxides of phosphorus, zinc oxides, or oxides of nitrogen can or may be formed or released when burned.

### SPILL OR LEAK PROCEDURES

**SPILL PROCEDURES:**

Personal protective equipment must be worn. Ventilate area if spilled in confined spaces or poorly ventilated areas. Check all Federal and State laws for proper methods of hazardous substance spill control under SARA, HAZWOPER, DOT, and CERCLA.

**WASTE DISPOSAL:**

Material meets RCRA hazardous waste criteria for reactivity. Disposal should be in compliance with Federal, State, or Local laws. Do not discharge into sewers or waterways. Properly discard bottle after use, never reuse for other purpose.

### SPECIAL PRECAUTIONS

**STORAGE:**

Keep bottles closed when not in use. Store away from heat, sparks, and open flames.

**HANDLING:**

Wash thoroughly after handling. Launder contaminated clothing before reuse.

### TRANSPORTATION AND LABELING

**DOT PROPER SHIPPING NAME:**

Not applicable.

**DOT HAZARDOUS CLASS:**

Not applicable.

**CERCLA HAZARDOUS SUBSTANCES:**

Not applicable.

### REGULATORY INFORMATION

**U.S. TSCA INVENTORY:**

All components of this product are on the U.S. TSCA Inventory.

**OTHER TSCA REGULATIONS:**

None known.

**CANADA:**

All components are in compliance with chemical notification requirements with the Canadian Environmental Protection Act.

**SARA EXTREMELY  
HAZARDOUS SUBSTANCES:**

This product is not known to contain any chemical substance on SARA Extremely Hazardous Substance List.

**SARA SECTION 313:**

10 to 16 percent Zinc compounds, of which 2% is Zn.

The information given on this material safety data sheet is offered in good faith as being accurate. Some information included on this data sheet has been provided by sources outside our company and has been reviewed and is believed to be correct. However, we cannot guarantee its accuracy or completeness. No warranty, expressed or implied, is given regarding the accuracy of this data or the results obtained from use thereof.