

# LITHCO MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION

**TRADE NAME** (as labeled) Lithco Hydraulic Vacuum Pump Oil 32  
Lithco Hydraulic Cutter Oil 46  
Lithco Hydraulic Press Oil 68

**MANUFACTURER'S NAME:** Lithco, Inc. • 9449 Jefferson Blvd. • Culver City, CA 90232-2913

**PHONE NUMBER FOR ADDITIONAL INFORMATION:** (310) 559-7770 or (800) 454-8426

**FAX NUMBER FOR ADDITIONAL INFORMATION:** (310) 559-6908 or (888) 454-8426

**EMERGENCY INFORMATION:** For chemical emergency, spill, leak, fire, exposure or accident call Infotrac, day or night, at (800) 535-5053.

**DATE PREPARED OR REVISED:** 11-09-07 Replaces 7-5-02

**PREPARED BY** (optional):

## SECTION II: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS		
Chemical Names	CAS Numbers	%	ACGIH TLV	OSHA PEL	OTHER
Refined Petroleum Oil*			5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> STEL
*may contain	64742-54-7		Above limits based on oil mist		
*may contain	64742-65-0				

**HMS RATING:** Health: 1 Fire: 1 Reactivity: 0 Personal protection: B

## SECTION III: PHYSICAL PROPERTIES

**VAPOR DENSITY (AIR = 1):** N/A

**MELTING POINT/RANGE:** -20° F

**SPECIFIC GRAVITY:** 0.8676

**BOILING POINT/RANGE:** N/A ° F

**SOLUBILITY IN WATER:** Negligible

**EVAPORATION RATE (BuAc = 1):** N/A

**VAPOR PRESSURE, mm Hg @ 20 degrees C:** <0.1

**APPEARANCE AND ODOR:** Yellow liquid, slight hydrocarbon odor

**This product contains 0 % VOC by formulation. VOC 0 LB/GAL or 0GM/LITER.**

**This product is not photochemically reactive.**

## SECTION IV: FIRE AND EXPLOSION

**FLASH POINT, degrees F. (give method):** 400° F PMCC      **AUTO-IGNITION TEMPERATURE, degrees F:** N.D.

**FLAMMABLE LIMITS IN AIR (VOLUME %), LOWER** N/A%    **UPPER** N/A %

**FIRE EXTINGUISHING MATERIALS:**

WATER SPRAY: XX	FOAM: XX	CARBON DIOXIDE: XX	DRY CHEMICAL: XX	OTHER: N/A
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**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighting personnel should wear full bunker gear with NIOSH approved SCBA.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Cool exposed containers with water fog to prevent explosions.

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## **SECTION V: HEALTH HAZARD INFORMATION**

### **SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE**

**INHALED:** Inhalation of vapors (generated at high temperatures only) or oil mist may cause a mild irritation of the mucous membranes of the upper respiratory tract.

**CONTACT WITH SKIN OR EYES:** This product is practically non-irritating to the skin or eyes. Prolonged or repeated exposures to skin may result in dermatitis, oil acne or folliculitis.

**ABSORBED THROUGH SKIN:** Under normal conditions product will not be absorbed through the skin. Accidental release under high pressure applications may result in injection of oil into the skin causing local necrosis.

**SWALLOWED:** Product is no more than slightly toxic if swallowed.

### **HEALTH EFFECTS OR RISKS FROM EXPOSURE (Explain in lay terms)**

**ACUTE:** Irritation as noted above. Necrosis may be evidenced by delayed onset of pain and tissue damage a few hours following high pressure injection.

**CHRONIC:** None known.

### **FIRST AID EMERGENCY PROCEDURES**

**EYE CONTACT:** Flush eyes for at least 15 minutes with running water while holding eyelids open. Get medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation persists. Do not wear contaminated clothing until properly laundered. If material is injected under the skin, get medical attention promptly to prevent serious damage. Do not wait for symptoms to develop.

**INHALED:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration or CPR if not breathing. Seek medical attention.

**SWALLOWED:** Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical advice.

### **SUSPECTED CANCER AGENT?**

XXX NO. THIS PRODUCT'S INGREDIENTS ARE NOT FOUND IN THE LISTS BELOW.

YES.  FEDERAL OSHA  NTP  IARC

California employers using CAL/OSHA regulated carcinogens must register with CAL/OSHA. The CAL/OSHA and Federal OSHA carcinogen lists are similar.

### **CALIFORNIA PROP. 65 STATEMENT**

THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR CAUSE REPRODUCTIVE HARM.

**PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin or respiratory problems may be aggravated by this product.

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## **SECTION VI: REACTIVITY DATA**

**PRODUCT IS XXX STABLE \_\_\_\_\_ UNSTABLE**

**CONDITIONS TO AVOID:** Avoid contact with heat, sparks and open flame.

**INCOMPATIBILITY (materials to avoid):** Strong oxidizing agents, sources of ignition.

**HAZARDOUS DECOMPOSITION PRODUCTS, INCLUDING COMBUSTION:** Carbon monoxide, carbon dioxide and unburned hydrocarbons

**HAZARDOUS POLYMERIZATION \_\_\_\_\_ MAY OCCUR XXX WILL NOT OCCUR.**

**CONDITIONS TO AVOID:** None under normal product use.

## **SECTION VII: SPILL, LEAK AND DISPOSAL PROCEDURES**

**SPILL RESPONSE PROCEDURES, INCLUDING EMPLOYEE PROTECTION:** Extinguish all sources of ignition. Contain spill. Wear SCBA for airborne concentrations above TLV. Use sparkproof tools during clean-up. Soak up with inert absorbent.

**PREPARING WASTES FOR DISPOSAL (containers, neutralization, etc.):** Place in non-leaking containers suitable for material and certified for transporting hazardous waste.

NOTE: DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## **SECTION VIII: SPECIAL HANDLING INFORMATION**

**VENTILATION AND ENGINEERING CONTROLS:** Provide ventilation to keep airborne concentration below TLV.

**RESPIRATORY PROTECTION (TYPE):** NIOSH/MCA approved for organic vapors for concentrations above TLV.

**EYE PROTECTION (TYPE):** Splashproof chemical goggles.

**GLOVES (SPECIFY MATERIAL):** Neoprene, nitrile or PVC.

**OTHER CLOTHING AND EQUIPMENT:** Eyewash station and safety shower should be provided.

**WORK PRACTICES, HYGIENIC PRACTICES:** Wash hands thoroughly after use and before eating, drinking, smoking or using the toilet.

**OTHER HANDLING AND STORAGE REQUIREMENTS:** Keep containers closed when not in use. Do not use near sources of ignition. Avoid prolonged or repeated contact with skin or breathing of vapors. Keep from children. For industrial use only.

**PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:** Use protective gear as indicated above. Do not start electrical equipment in presence of vapors.

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**SECTION IX: SHIPPING INFORMATION**

**FULL DOT SHIPPING NAME:**

**DOT HAZARD CLASS:** Not Hazardous

**PACKING GROUP:** N/A **UN/NA NUMBER:** N/A

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**SECTION X: ENVIRONMENTAL STATEMENTS**

**THIS PRODUCT IS NOT SUBJECT TO REPORTING ACCORDING TO SARA, TITLE III (SUPERFUND AMENDMENT).**

The components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Protection of Stratospheric Ozone (Pursuant to Section 611 of the Clean Air Act Amendments of 1990): Per 40CFR Part 82, This product does not contain nor was it directly manufactured with any Class I or Class II Ozone Depleting Substances.

This product does not contain any chemical substance regulated by a specific state list.

This product is covered by EPA's Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Petroleum Exclusion. Therefore, releases to air, land or water are not reportable under CERCLA (SUPERFUND). However, under Section 311 of EPA's Clean Water Act (CWA). This product is considered an oil. As such, spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 800-424-8802.

This product is an oil under 49CFR Part 130 (DOT). If shipped by rail or highway in a tank with a capacity of 3,500 or more, it is subject to the requirements of Part 130. Mixture solutions in which this product is present at 10% or more may also be subject to this rule.

If this product becomes a waste, it would not be hazardous waste by RCRA criteria (40CFR261). Place in an appropriate disposal facility in compliance with local regulations.

Information contained in this safety data sheet is drawn from recognized sources and is believed to be accurate and correct as of the date of issue. It is presented for your evaluation of the suitability of the product and for compliance with federal and state regulations. No claims are made for the accuracy, completeness and reliability of the information contained herein.