

LITHCO MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME (as labeled) Lithco EP Grease

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: August 8, 2003

PREPARED BY (optional):

SECTION II: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS		
Chemical Names	CAS Numbers	%	ACGIH TLV	OSHA PEL	OTHER
Highly Refined Petroleum Distillates	Mixture	80-90	N/A	N/A	N/A
Proprietary Additives (contains zinc)	Mixture	3-9	N/A	N/A	N/A
Lithium Grease Thickener	Mixture	3-9	10 mg/m ³ as Li-hydroxystearate	N/A	N/A

NFPA RATING: Health: 0 Fire: 1 Reactivity: 0 Personal protection: B

SECTION III: PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1): N.D.

MELTING POINT/RANGE: >350° F Drop Point

SPECIFIC GRAVITY: >0.9

BOILING POINT/RANGE: ° F N.D.

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE (BuAc = 1): N/A

VAPOR PRESSURE, mm Hg @ 20 degrees C: N.D.

APPEARANCE AND ODOR: Brown, smooth grease, hydrocarbon odor

This product contains 0 % VOC by formulation. VOC = 0 LB/GAL or 0 GM/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.D. **UPPER %** N.D.

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: Material will float and can re-ignite on surface of water.

This form complies with and is essentially similar to OSHA Form 174 as specified in 29CFR 1910.1200 (Federal OSHA Hazard Communication Standard) and complies with requirements of CAL/OSHA.

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 mild irritation of the nose, throat and respiratory tract.

CONTACT WITH SKIN OR EYES: May cause slight irritation of the skin and eyes. A temporary burning sensation, minor redness and/or swelling may result. Temporary blurred vision may result. Accidental release of the material under high-pressure applications may result in injection under the skin causing possible extensive tissue damage which is difficult to heal.

ABSORBED THROUGH SKIN: Other adverse effects not expected from brief skin contact.

SWALLOWED: May be harmful if swallowed.

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

ACUTE: Eye and skin irritation. Irritation of respiratory tract.

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.

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. Have victim rinse mouth with water, then drink sips of water to remove taste from mouth. For coughing, choking or difficulty breathing, transport to nearest medical facility. If the following delayed symptoms appear within next 6 hours, transport to medical facility: fever >101°F, shortness of breath, chest congestion, coughing or wheezing. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

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 / 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 eye, skin and respiratory conditions may be aggravated by exposure to this product.

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: Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. 4-Vinylcyclohexene, carbon monoxide, carbon dioxide and nitrogen oxides may be formed upon combustion. Material may release hydrogen sulfide (H₂S), a highly toxic and extremely flammable gas when heated to 180°F or higher. H₂S can cause irritation of the eyes and respiratory tract, headache, dizziness, nausea, vomiting, diarrhea and pulmonary edema. The odor (rotten egg) threshold is 0.02 ppm. Do not depend on the smell for warning as H₂S rapidly deadens the sense of smell.

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.

SECTION IX: SHIPPING INFORMATION

FULL DOT SHIPPING NAME: This material is not subject to DOT regulations under 49CFR Parts 171 – 180, IATA or International Maritime Organization rules.

DOT HAZARD CLASS: N/A **PACKING GROUP:** N/A **UN/NA NUMBER:** N/A

SECTION X: REGULATORY INFORMATION

OSHA Classification

This product is hazardous according to OSHA Hazard Communication Standard 29CFR 1910.1200

Ozone Depleting Substances (40CFR 82 Clean Air Act)

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III

There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312)

Immediate Health: YES Delayed Health: No Fire: No Pressure: No Reactivity: No

SARA Toxic Release Inventory (TRI) (313)

There are no components in this product on the SARA 313 list.

Toxic Substances Control Act (TSCA) Status:

All components of this material are listed on the EPA/TSCA Inventory of Chemical Substances.

This product may be subject to export notification under TSCA Section 12(b): Contains ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-

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.