

LITHCO MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME (as labeled) Lithco AS-1000 Alcohol Substitute

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: 1/9/09

PREPARED BY (optional):

SECTION II: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS		
Chemical Names	CAS Numbers	%	ACGIH TLV	OSHA PEL	OTHER
2-Butoxyethanol	111-76-2		25 ppm	25 ppm	N/A
Propylene glycol	57-55-6		Not established	Not established	N/A

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

SECTION III: PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1): >1

MELTING POINT/RANGE: N.D.

SPECIFIC GRAVITY: .983

BOILING POINT/RANGE: ° F N.D.

SOLUBILITY IN WATER: 100%

EVAPORATION RATE (BuAc = 1): same as water

VAPOR PRESSURE, mm Hg @ 20 degrees C:

APPEARANCE AND ODOR: Water white, sweet odor

This product contains VOC = 5.3 LB/GAL or 630 GM/LITER.

This product is not photochemically reactive.

SECTION IV: FIRE AND EXPLOSION

FLASH POINT, degrees F. (give method): >200°F (Setaflash) **AUTO-IGNITION TEMPERATURE,** degrees F N.D.

FLAMMABLE LIMITS IN AIR (VOLUME %), LOWER % N.E. UPPER % N.E.

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.

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: May cause nasal or respiratory tract irritation, nausea, CNS depression, headache, dizziness or drowsiness.

CONTACT WITH SKIN OR EYES: Irritation of mucosal membranes, irritation and drying of the skin.

ABSORBED THROUGH SKIN: Not considered a source of exposure.

SWALLOWED: Gastrointestinal distress including nausea, diarrhea and vomiting.

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

ACUTE: Irritation of skin, eyes and mucosal membranes, CNS Depression, headache, nausea, dizziness and drowsiness. Repeated or prolonged skin exposure may cause chemical burns.

CHRONIC: None expected.

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: Induce vomiting and seek immediate medical attention.

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 conditions may be aggravated by 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: 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: Not Regulated

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

SECTION X: ENVIRONMENTAL STATEMENT

THIS PRODUCT IS SUBJECT TO REPORTING ACCORDING TO SARA, TITLE III (SUPERFUND AMENDMENT).

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.