

LITHCO MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME (as labeled) Lithco Super Premium Electrostatic Etch and Fountain Concentrate
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: 3/28/08

PREPARED BY (optional):

SECTION II: HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	%*	EXPOSURE LIMITS		
			ACGIH TLV	OSHA PEL	OTHER
Dipropylene glycol monomethyl ether	034590-94-8	-	100 ppm	100ppm	600 mg/m ³ 8 hr. TWA
Glycerin	56-81-5	-	10 mg/m ³ mist	10 mg/m ³	N/A
Tripropylene glycol monomethyl ether	25498-49-1	-	None established	None established	N/A
Disodium ethylenediamine	6381-92-6	-	N/A	N/A	N/A
Monosodium phosphate	7558-80-7	-	N/A	N/A	Oral LD50 Rat 8290 mg/kg
Monoammonium phosphate	7722-76-1	-	5 mg/m ³	15 mg/m ³ dust	N/A
Sodium Ferrocyanide	13601-19-9	-	N.E.	N.E.	Oral LD50 Rat 6400 mg/kg
Propylene glycol	57-55-6	-	N.E.	N.E.	Oral LD50 Rat 20,000 mg/kg
Polyethylene glycol	025322-68-3	-	N.E.	N.E.	N/A

* optional

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

SECTION III: PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1): >1

SPECIFIC GRAVITY: 1.015

SOLUBILITY IN WATER: infinitely

VAPOR PRESSURE, mm Hg @ 20 degrees C: N/A

MELTING POINT/RANGE: N/A

BOILING POINT/RANGE: 212° F

EVAPORATION RATE (BuAc = 1): <1

APPEARANCE AND ODOR: Lime green to bluish color, slight odor

This product contains 28 GM/LITER VOC, EPA Method 24. This product is not photochemically reactive.

SECTION IV: FIRE AND EXPLOSION

FLASH POINT, degrees F. (give method): N/A **AUTO-IGNITION TEMPERATURE, degrees F** N/A

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: Cool exposed containers with water fog to prevent thermal degradation. Contact with concentrated mineral acids may release toxic, flammable hydrogen cyanide gas which forms an explosive mixture with air.

SECTION V: HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE

INHALED: Irritation of mucosal membranes from misting

CONTACT WITH SKIN OR EYES: Irritation of skin and eyes possible

ABSORBED THROUGH SKIN: Glycol ethers may be absorbed through the skin

SWALLOWED: Nausea, vomiting, gastrointestinal distress, diarrhea

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

ACUTE: Headache, dizziness, nausea, vomiting, irritation of skin and eyes

CHRONIC: Same as acute

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. 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 / 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: Skin contact may aggravate pre-existing dermatitis.

SECTION VI: REACTIVITY DATA

PRODUCT IS XXX STABLE _____ UNSTABLE

CONDITIONS TO AVOID: Avoid contact with strong mineral acids, hot metal surfaces, high heat sources

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents, strong mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS, INCLUDING COMBUSTION: Thermal degradation or contact with concentrated mineral acids may release toxic, flammable hydrogen cyanide gas which forms an explosive mixture with air.

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 inert 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 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 NOT SUBJECT TO REPORTING ACCORDING TO SARA 313, 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.