

LITHCO MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME (as labeled) Combination Etch #7

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: 07/03/08

PREPARED BY (optional):

SECTION II: HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	%	EXPOSURE LIMITS		
			ACGIH TLV	OSHA PEL	OTHER
2-Butoxyethanol	111-76-2	6	25 ppm	25 ppm	N/E
Acetic Acid	64-19-7	2	10 ppm	10 ppm	N/A
Diethylene glycol monobutyl ether	112-34-5	2	N/E	N/E	N/A
Sodium nitrate	7631-99-4	2	N/E	N/E	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: 1.04

BOILING POINT/RANGE: 212 - 370° F

SOLUBILITY IN WATER: 100%

EVAPORATION RATE (BuAc = 1): <1

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

APPEARANCE AND ODOR: Blue-Green liquid, sweetish odor

This product contains VOC = 1.6 LB/GAL (190 gm/L).

This product is not photochemically reactive.

SECTION IV: FIRE AND EXPLOSION

FLASH POINT, degrees F. (give method): ≥ 200 TCC

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.

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 excessive quantities of vapors may cause irritation of the nose, throat and respiratory tract, as well as headache, nausea, dizziness, loss of coordination and fatigue.

CONTACT WITH SKIN OR EYES: May cause mild to moderate skin and eye irritation. Direct contact or excessive exposure to vapors may cause redness, tearing and stinging of the eye. Prolonged or repeated exposure may result in contact dermatitis which is characterized by redness, itching, drying and/or cracking of the skin.

ABSORBED THROUGH SKIN: Skin absorption over prolonged periods of time may result in liver abnormalities, kidney damage and blood disorders. Skin contact will result in absorption and potentially contribute to the overall exposure to the chemical 2-Butoxy ethanol.

SWALLOWED: Ingestion may cause gastrointestinal irritation, headache, nausea, vomiting, diarrhea, dizziness, loss of coordination and fatigue.

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

ACUTE: Eye and skin irritation, irritation of mucosal membranes, headache, dizziness, nausea.

CHRONIC: Liver, kidney and blood disorders are possible.

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: Ingestion is an unlikely route of exposure. If appreciable amounts of this product are accidentally swallowed, give victim large amounts of water 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 disorders may be aggravated by exposure to 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. Do not flush with water into drains.

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 Hazardous

DOT HAZARD CLASS: N/A **PACKING GROUP:** N/A **UN/NA NUMBER:** None assigned

SECTION X: REGULATORY INFORMATION

Occupation Safety and Health Administration (OSHA)

This material safety data sheet is provided for compliance with applicable regulations of the Hazard Communication Standard (HCS) found in §29 CFR 1910.1200(g).

Federal law requires persons receiving this document to study it carefully and become aware of the hazards of this product. Notify all employees, visitors, agents, and contractors of the information on this sheet.

SARA Title III, Section 302 – Extremely Hazardous Substances

Neither this product nor any of its components appear on the lists of extremely hazardous substances (EHS) found in §40 CFR 355 Appendices A and B and are not subject to the emergency planning requirements of 40 CFR 355.30 or the reportable quantity (RQ) and threshold planning quantity (TPQ) requirements of §40 CFR 355 Appendices A and B.

SARA Title III, Section 304 – Hazardous Substances

This product does not contain any component found in the list of hazardous substances of §40 CFR Table 302.4.

SARA Title III, Sections 311/312 – Hazard Classes

This product contains one or more ingredients that are classified into the following hazard category outlined in §40 CFR 370.40:

delayed (chronic) health
immediate (acute) health

SARA Title III, Section 313 – Toxic Chemicals

This product contains the following component listed in §40 CFR 372.65 exceeding the *de minimis* concentration reporting requirements as stated in §40 CFR 372.38:

acetic acid
2-butoxyethanol
2-(2-butoxyethoxy)ethanol
sodium nitrate

Toxic Substances Control Act (TSCA)

All chemicals in the product are either listed on the TSCA inventory or not required to be.

CONEG

This product is certified to be in full compliance with CONEG Model Toxics Legislation for packaging and packaging components.

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.