

# LITHCO MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION

**TRADE NAME** (as labeled) Lithco Metering Roller Cleaner (MRC)

**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:** 7-5-02 (Replaces 12/27/01)

**PREPARED BY** (optional):

## SECTION II: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS		
Chemical Names	CAS Numbers	%	ACGIH TLV	OSHA PEL	OTHER
Acetone	67-64-1		500 ppm	750 ppm	OSHA STEL 1000 ppm
Toluene	108-88-3		100 ppm	100 ppm	OSHA STEL 150 ppm
Aromatic 100 <sup>1</sup>	64742-95-6		N.E.	N.E.	N/A
VM&P Naphtha	64742-89-8		300 ppm	300 ppm	OSHA STEL 400 ppm
Isopropyl Alcohol	67-63-0		400 ppm	400 ppm	OSHA STEL 500 ppm
2-Butoxyethanol	111-76-2		25 ppm skin	25 ppm skin	N/A

<sup>1</sup> Aromatic 100 contains traces of xylene and 1, 2, 4-Trimethylbenzene

**HMS RATING:**

Health: 2

Fire: 3

Reactivity: 0

Personal protection: B

## SECTION III: PHYSICAL PROPERTIES

**VAPOR DENSITY (AIR = 1):** >1

**MELTING POINT/RANGE:** N.D.

**SPECIFIC GRAVITY:** 0.827

**BOILING POINT/RANGE:** 133 to 340 ° F

**SOLUBILITY IN WATER:** Slight

**EVAPORATION RATE (BuAc = 1):** >1

**VAPOR PRESSURE, mm Hg @ 20 degrees C:** 94.58

**APPEARANCE AND ODOR:** Clear liquid, solvent odor

**VOC = 4.66 LB/GAL or 560 GM/LITER.**

**VOC Composite Partial Pressure = 9.77 mm Hg @ 20°C.**

**This product is photochemically reactive.**

## SECTION IV: FIRE AND EXPLOSION

**FLASH POINT, degrees F. (give method):** 40 Estimated

**AUTO-IGNITION TEMPERATURE, degrees F** N.D.

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

**FIRE EXTINGUISHING MATERIALS:**

WATER SPRAY: No	FOAM: Yes	CARBON DIOXIDE: Yes	DRY CHEMICAL: Yes	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:** This material has a low degree of toxicity by inhalation. Breathing high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression. Prolonged or repeated exposure to vapors or mists may cause liver or kidney damage. Respiratory symptoms associated with pre-existing lung disorders (asthma-like conditions) may be aggravated by exposures to this material. Use adequate ventilation when using this product.

**CONTACT WITH SKIN OR EYES:** Causes severe eye irritation, experienced as discomfort or pain, excess blinking and tear production, excessive redness and marked swelling of the conjunctiva. Corneal injury may occur. Prolonged or repeated skin contact may cause redness, burning, drying and cracking of the skin and skin damage.

**ABSORBED THROUGH SKIN:** Skin contact may be harmful, resulting in skin absorption. This material may be toxic when absorbed through the skin. Persons with pre-existing skin disorders or sensitive skin may be more susceptible to the effects of this material.

**SWALLOWED:** Ingestion of this material may cause irritation of the digestive tract, nervous system depression, nausea, vomiting and diarrhea.

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

**ACUTE:** Irritation of skin and eyes. Headache, dizziness, nausea, vomiting, diarrhea, metallic taste in mouth. Irritation of mucosal membranes. Low blood pressure, change in heart rate, slow or difficulty in breathing, blood in urine.

**CHRONIC:** Liver and kidney damage.

### 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. If vomiting occurs spontaneously, keep head below hips. Seek immediate medical attention. Contact poison control center for assistance until medical help arrives.

### SUSPECTED CANCER AGENT?

XXXX 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 CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR CAUSE REPRODUCTIVE HARM.

**PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Persons with respiratory problems, pre-existing skin conditions or pre-existing liver, kidney, heart, blood, spleen or testis problems should consult their physician before using this product.

**SECTION VI: REACTIVITY DATA**

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

**CONDITIONS TO AVOID:** Avoid contact with heat, sparks and open flame. Product forms explosive mixtures in oxygen or air.

**INCOMPATIBILITY** (materials to avoid): Strong oxidizing agents, strong acids or bases, some amines and 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.

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**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.

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**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:** Compound, cleaning liquid

**DOT HAZARD CLASS:** 3 Flammable liquid

**PACKING GROUP:** II

**UN/NA NUMBER:** UN 1993

**SECTION X: ENVIRONMENTAL STATEMENT**

**THIS PRODUCT IS SUBJECT TO REPORTING ACCORDING TO SARA 313, (SUPERFUND AMENDMENT) AND 40 CFR 372.**

Listed ingredients:

Toluene	CAS 108-88-3	20 – 30%
2-Butoxyethanol*	CAS 111-76-2	5%
Xylene	CAS 1330-20-7	<1%
1, 2, 4- Trimethylbenzene	CAS 95-63-6	1 – 3%

\* a.k.a. ethylene glycol monobutyl ether

**Supplemental Information**

This product is rated as a fire hazard under reporting requirements of SARA 311 and 312. The health hazard category for this product under SARA Sections 311/312 reporting meets both immediate (acute) and delayed (chronic) definitions. Discharge to the environment including the sewer may be reportable (under the regulations of CERCLA/DOT) to the National Response Center (800-424-8802).

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

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.