

# LITHCO MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION

**TRADE NAME** (as labeled) Lithco Blanket Fix

**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 2-3-98)

**PREPARED BY** (optional):

## SECTION II: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS		
Chemical Names	CAS Numbers	%	ACGIH TLV	OSHA PEL	OTHER
n-Methyl-2-pyrrolidone	872-50-4		N.E.	N.E.	100 ppm mfgr.
Methanol	67-56-1		262 mg/m <sup>3</sup> TWA	260 mg/m <sup>3</sup> TWA	ACGIH & OSHA ref. skin
Perchloroethylene - syn. Tetrachloroethylene	127-18-4		339 mg/m <sup>3</sup>	170 mg/m <sup>3</sup>	STEL 1357 mg/m <sup>3</sup>

**HMS RATING:**

Health: 2

Fire: 1

Reactivity: 0

Personal protection: B

## SECTION III: PHYSICAL PROPERTIES

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

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

**SPECIFIC GRAVITY:** 1.28

**BOILING POINT/RANGE:** °F 212 - 250

**SOLUBILITY IN WATER:** 50%

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

**VAPOR PRESSURE, mm Hg @ 20 degrees C:** 9.0

**APPEARANCE AND ODOR:** Blue gel, strong solvent odor

**This product contains 97 % VOC by formulation. VOC = 10.5 LB/GAL or 1222 GM/LITER.**

**This product is not photochemically reactive.**

## SECTION IV: FIRE AND EXPLOSION

**FLASH POINT, degrees F. (give method):** >200°F TCC

**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**

**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. Keep work areas free of hot metal surfaces.

*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:**Breathing difficulties, dizziness or light-headedness.

**CONTACT WITH SKIN OR EYES:** Burning, tearing or redness of eyes. Repeated skin contact can cause irritation and defatting of skin and/or dermatitis.

**ABSORBED THROUGH SKIN:** May be absorbed through skin.

**SWALLOWED:** Burning and severe irritation of digestive tract. Severe gastrointestinal distress.

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

**ACUTE:** Difficulty breathing, dizziness, light-headedness, minor to moderate skin irritation, headaches, nausea, vomiting.

**CHRONIC:** Exposure to perchloroethylene has been shown to cause cancer in laboratory animals. Overexposure to perchloroethylene has apparently been found to cause liver abnormalities in laboratory animals. Overexposure to perchloroethylene has been suggested as a cause of liver abnormalities and kidney, spleen, lung and brain damage in humans. Chronic overexposure in high concentrations may produce central nervous system depression.

**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, keep victim's head below knees to prevent aspiration into lungs. Seek immediate medical attention.

**SUSPECTED CANCER AGENT?**

       NO. THIS PRODUCT'S INGREDIENTS ARE NOT FOUND IN THE LISTS BELOW.

**XX** YES. **XX** FEDERAL OSHA **XX** NTP **XX** 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 CONTAINS 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 respiratory conditions

**SECTION VI: REACTIVITY DATA**

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

**CONDITIONS TO AVOID:** Avoid contact with heat, sparks, hot metal surfaces and open flame.

**INCOMPATIBILITY** (materials to avoid): Strong oxidizing agents, sources of ignition, hot metal surfaces.

**HAZARDOUS DECOMPOSITION PRODUCTS, INCLUDING COMBUSTION:** Carbon monoxide, carbon dioxide and unburned hydrocarbons, and small amounts of chlorine and phosgene.

**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:** Chemicals, NOI (containd Perchloroethylene below RQ), Non-regulated material  
**DOT HAZARD CLASS:** None      **PACKING GROUP:** None      **UN/NA NUMBER:** None

**SECTION X: ENVIRONMENTAL STATEMENT**

**THIS PRODUCT IS SUBJECT TO REPORTING ACCORDING TO SARA, TITLE III (SUPERFUND AMENDMENT).**  
This product contains the following chemicals and/or hydrocarbon solvents with components which are subject to SARA 313 requirements:

<b>Chemical</b>	<b>CAS Number</b>	<b>Weight %</b>
Methanol	67-56-1	6.07
Perchloroethylene	127-18-4	54.35

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.