

LITHCO MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

TRADE NAME : Lithco High Gloss Varnish

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:

PREPARED BY (optional):

SECTION II: HAZARDOUS INGREDIENTS

			EXPOSURE LIMITS		
Chemical Names	CAS Numbers	%	ACGIH TLV	OSHA PEL	OTHER
Mineral Spirits	8052-71-3		100 TWA PPM	500 TWA PPM	N/A
Cobalt Neodecanoate	27253-31-2		N.D.	.05 mg/m ³	N/A
Manganese tallate	8030-70-4		N.D.	5 mg/m ³	N/A

HMIS RATING:

Health: 1

Fire: 1

Reactivity: 0

Personal protection: B

SECTION III: PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1): Heavier

MELTING POINT/RANGE: N/A

SPECIFIC GRAVITY: 0.9668

BOILING POINT/RANGE: ° F 464 - 525

SOLUBILITY IN WATER: Not Soluble

EVAPORATION RATE (BuAc = 1): Slower

VAPOR PRESSURE, mm Hg @ 20 degrees C:

APPEARANCE AND ODOR: Dark Amber liquid with Sweet odor

This product contains 32 % VOC by formulation. VOC = 2.58 LB/GAL.

This product is not photochemically reactive.

SECTION IV: FIRE AND EXPLOSION

FLASH POINT, degrees F. 225 P.M.C.C. **AUTO-IGNITION TEMPERATURE,** 423 degrees F ASTM E-659

FLAMMABLE LIMITS IN AIR (VOLUME %), LOWER 1.1 % UPPER N/A

FIRE EXTINGUISHING MATERIALS:

WATER SPRAY: to Cool Containers	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 pressure buildup.

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: Headache, dizziness, nausea

CONTACT WITH SKIN OR EYES: Redness, irritation

ABSORBED THROUGH SKIN: Dermatitis, Irritation

SWALLOWED: nausea

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

ACUTE: Excessive inhalation may cause headache, dizziness & nausea. Constant skin contact may cause defatting action on skin causing dermatitis and irritation.

CHRONIC: Conditions aggravated by exposure may include skin disorders and respiratory (asthma like) disorders.

FIRST AID EMERGENCY PROCEDURES

EYE CONTACT: Flush eyes for at least 15 minutes with running water while holding eyelids open. seek 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 due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. Seek immediate medical attention.

SUSPECTED CANCER AGENT?

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

YES. FEDERAL OSHA NTP See Note Below IARC

IARC has stated that there is sufficient evidence for the carcinogenicity of Cobalt metal powder in experimental animals. On the basis of animal evidence from experiments not regarded relevant to human exposure, IARC has classified Cobalt as 2B, possible carcinogen for humans. ACGIH has given Cobalt a rating of A3, animal carcinogen. They state that available epidemiologic studies do not confirm an increased risk of cancer in exposed humans.

CALIFORNIA PROP. 65 STATEMENT

THIS PRODUCT MAY CONTAIN THE FOLLOWING CHEMICALS WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS AND ARE SUBJECT TO THE REQUIREMENTS OF CALIFORNIA PROPOSITION 65. Both of these items are in quantities of less than 1/2 of 1 %.

TOLUENE (108-88-3) BIRTH DEFECT

BENZENE (71-43-2) CANCER

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin disorders and respiratory (asthma-like) disorders.

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.

SECTION IX: SHIPPING INFORMATION

FULL DOT SHIPPING NAME: Overprint varnish NMFC # 101760 Sub 3

DOT HAZARD CLASS: Not regulated **PACKING GROUP:** N/A **UN/NA NUMBER:**N/A

SECTION X: ENVIRONMENTAL STATEMENT

THIS PRODUCT IS NOT 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.