

TECH LINE Coatings

MATERIAL SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Dry Film Lubricant TLML

Part Number: TLML

Recommended Use: Paint / Coating Permanently Bonded Lubricating Film

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
26844 ADAMS AVE.

MURRIETA, CA 92562

USA

Phone 951-304-0834

Fax 951-461-9658

www.techlinecoatings.com

Keep out of reach of children.

For Industrial Use Only

Emergency Phone: (Chemtrec) 1-800-424-9300

Section 2 – Hazards Identification

Classification:

Signal Word: Danger

Symbols:

Precautionary Statements:



Flammable Liquid and Vapor

HMIS

Health 2 Flammability 3 Reactivity 0

Section 3 – Composition / Information On Ingredients

Component	CAS#	% of Weight
Methyl Ethyl Ketone	78-93-3	20-40%
Ethanol	64-17-5	20-30%
Molybdenum Disulfide	1317-33-5	< 10%
Methanol	67-56-1	< 5%
Residual Phenol	108-95-2	TRACE
Residual Formaldehyde	50-00-0	TRACE

Components not listed above are non-hazardous or are Trade Secrets.

Section 4 – First Aid Measures

After EYE Contact:

- Immediately irrigate with plenty of water for 15 minutes. Obtain medical attention if irritation persists.

After SKIN Contact:

- Remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.

After INHALATION:

- Administer oxygen if there is difficulty in breathing. Obtain medical attention immediately if necessary.

After SWALLOWING:

- Call a physician immediately, ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

See section 11 for additional information

Notes to Physician: Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: 16°F Method: TCC	Flammable Limits LEL-: Not Established	Flammable Limits UEL-: Not Established	Stability: Stable
Extinguishing Media: Alcohol resistant foam, co2, dry chemical, dry sand. Cool closed containers exposed to fire with water spray.		Special Fire Fighting Procedures: Use full protective equipment, including self contained breathing apparatus	
Unusual Fire And Explosion Hazards: During emergency conditions, overexposure to decomposition products may cause a health hazard. Hazardous polymerization may take place if exposed to fire conditions. Water runoff can cause environmental damage, dike and collect water used to fight fire.		Specific Hazards Arising from the Chemical: Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.	

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Use spark-proof tools and explosion-proof equipment.
- Remove sources of ignition.
- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors or mists from spraying. Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment. If required wear an appropriate NIOSH approved respirator with paint prefilter. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

Storage:

Store in area suitable for flammable liquids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from oxidizers, inorganic acids, aldehydes, and isocyanates.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component	ACGIH TLV	OSHA PEL	
Methyl Ethyl Ketone	200 PPM	200 PPM	
Ethanol	1000 PPM	1000 PPM	
Molybdenum Disulfide	10 mg/m3	10 mg/m3	
Methanol	200 PPM	200 PPM	
Residual Phenol	5 PPM (SKIN)	5 PPM (SKIN)	
Residual Formaldehyde	1 PPM	1 PPM	

Engineering Controls:

Exhaust ventilation.
Showers
Eyewash stations
Use in a well-ventilated area.

Respiratory Protection:

Use NIOSH approved respirator if TWA/TLV limits are exceeded

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES
Other Protective Equipment: WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES
Ventilation: Local Exhaust: Use To Maintain Below TWA Limits
Mechanical: Use Non-Sparking Equipment
Work / Hygienic Practices: wash thoroughly after handling product and before eating, drinking or smoking

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
 Color : Dark Gray to Black
 Odor : Strong Alcohol/Solvent Smell
 pH : Not Established
 Melting point/range : Not Established
 Initial boiling point : 172 – 355° F
 Flash point : 16° F
 Ignition temperature : Not Established
 Vapour pressure : Not Established
 Specific Gravity: 0.98
 Water solubility : poor
 Viscosity: Not Established
 Total VOC: 73% (5.95 lbs/gal)

SECTION 10 – STABILITY AND REACTIVITY

Stability: STABLE
Materials to avoid: See section 7
Hazardous Polymerization: Will not occur.
Conditions to avoid: Avoid storage of open containers at elevated temperatures.
Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon dioxide. Carbon oxides. Formaldehyde.

SECTION 11 – TOXICOLOGICAL INFORMATION

Special Hazard information on Components

Component Name	CAS Number	Wt %	Carcinogen	Teratogens	Mutagens	Reproductive Effects
Residual Formaldehyde	50-00-0	0.10%	X ¹			
Methyl Ethyl Ketone	78-93-3	20-40%		Possible		
Ethanol	64-17-5	20-30%			X ²	X ³

Notes

¹ IARC classified as carcinogenic
² DNA Inhibition: Human, Lymphocyte = 220 mmol/L.; Cytogenetic Analysis: Human, Lymphocyte = 1160 gm/L.; Cytogenetic Analysis: Human, Fibroblast = 12000 ppm.; Cytogenetic Analysis: Human, Leukocyte = 1 pph/72H (Continuous).; Sister Chromatid Exchange: Human, Lymphocyte = 500 ppm/72H (Continuous)
³ Intrauterine, Human - woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility - female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated)

SECTION 12 – ECOLOGICAL INFORMATION

General Comments: Do not allow material to be released into the environment without proper governmental permits
Environmental Toxicity: no data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Product : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14 – TRANSPORTATION INFORMATION

Hazardous for Shipping: Yes

Based on 49 CFR:

DOT Shipping Name: Paint
DOT Hazard Class: 3
DOT Labels: Flammable
UN Number: UN1263
Placards: Flammable
Packing Group: II

Air (IATA): UN1263, Paint, 3, II

SECTION 15 – REGULATIONS

Information about Limitation or Use:

Other Regulations, Limitations, and Prohibitive Regulations:

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All ingredients are on the TSCA Chemical Substance Inventory.

Component	CAS Number	SARA 313	SARA 304	SARA 307	SARA 311	Canada NPRI	California Prop 65 list
Methyl Ethyl Ketone	78-93-3						Yes
Ethanol	64-17-5						Yes
Methanol	67-56-1	Yes				Yes	Yes
Residual Phenol	108-95-2	Yes		Yes	Yes	Yes	Yes
Residual Formaldehyde	50-00-0	Yes			Yes	Yes	Yes

Product Related Hazard Information:

Hazard Symbols: Flammable
Risk Phrases: Flammable
Safety Phrases: Flammable
National Regulations:

SECTION 16 – OTHER INFORMATION

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