



Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUPER TECH MOLY LITH 10/14 OZ
Product Code: WMC63014
Emergency Phone: (800) 424-9300 (202) 483-7616 (CHEMTREC)
Poison Control Center: (800) 222-1222
Company: Warren Distribution, Inc.
 727 S. 13th St.
 Omaha, NE 68102
Information Phone: (800) 825-1235 (402) 341-9397
Revision Number: 5

II. HAZARDS IDENTIFICATION

Routes of Entry: Eye contact, Ingestion, Skin contact, Inhalation
Chemical Interactions: No chemical interaction known to affect toxicity.
Conditions Aggravated by Exposure: Skin disease including eczema and sensitization, Eye disease, Respiratory disease including asthma and bronchitis

Acute Health Effects:

Inhalation Irritation: Heating can generate vapors that may cause respiratory irritation, nausea and headaches.
Skin Contact: Can cause minor skin irritation, defatting, and dermatitis. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis).
Skin Absorption: Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.
Eye Contact: Can cause minor irritation, tearing and reddening.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Chronic Health Effects:

Carcinogenicity: Not a carcinogen according to NTP, IARC, or OSHA.
Reproductive Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

HMIS Ratings:

Health: 1
 Fire: 1
 Reactivity: 0
 PPE: B

NFPA Ratings:

Health: 1
 Fire: 1
 Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Petroleum distillates, solvent-refined heavy paraffinic	90 - 99	64741-88-4	No PEL
Lithium Soap and Mixed Thickeners	5 - 10	Proprietary	No PEL
Molybdenum Disulfide	0.1 - 1	1317-33-5	No PEL

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).



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IV. FIRST-AID MEASURES

Eyes:	Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.
Skin Contact:	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS.
Notes to Doctor:	No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability	Combustible at elevated temperatures
Summary:	
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
Fire and/or Explosion Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, Sulfur containing gases
Flash Point:	224 °C (435 °F)
Autoignition Temperature:	No data.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	No health effects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this MSDS.
Methods for Clean-up:	No special spill clean up considerations. Collect and discard in regular trash. Avoid runoff into storm sewers and ditches that lead to waterways.

VII. HANDLING AND STORAGE

Handling Precautions:	Mildly irritating material. Avoid unnecessary exposure.
Storage Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.
Respiratory Protection:	No respiratory protection required under normal conditions of use.
Respirator Type(s):	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye Protection:	Wear safety glasses when handling this product if there is a likelihood of contact with eyes.
Skin Protection:	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear impervious neoprene gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.



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Gloves: Neoprene

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH IDLH	OSHA STEL
Petroleum distillates, solvent-refined heavy paraffinic	No TLV	No IDLH	No STEL
Lithium Soap and Mixed Base Thickeners	No TLV	No IDLH	No STEL
Molybdenum Disulfide	No TLV	No IDLH	No STEL

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Grease
Color:	Black
Odor:	Mild
Solubility in Water:	Insoluble
Evaporation Rate:	No data.
Vapor Pressure:	No data.
Boiling Point (°C):	No data.
Specific Gravity:	0.89
Density:	7.43
Flash Point (°C):	224
Flash Point Method:	COC
Upper Flammability Limit, % in air:	Unknown
Lower Flammability Limit, % in air:	Unknown

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Materials to Avoid:	Acids, Oxidizing materials
Hazardous Decomp. Products:	Sulfur containing gases, Carbon monoxide, Carbon dioxide

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion:	Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Inhalation:	Toxic! Can cause systemic damage (see "Target Organs"). Respiratory failure is possible at high doses.
Absorption:	Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.
Eyes (Draize score):	This material is likely to be non-irritating to eyes based on animal data.
Skin (Draize score):	Likely to be non-irritating to skin based on animal data.

Component Toxicology Data (NIOSH):

Chemical Name	CAS #	LD₅₀/LC₅₀
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Molybdenum (IV) sulfide	1317-33-5	Inhalation LC50 Rat >2820 mg/m3 4 h



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XII. ECOLOGICAL INFORMATION

Overview: This material is not expected to be harmful to the ecology.
Persistence: No data.
Bioconcentration: Bioconcentration is not expected to occur.
Degradability: Biodegrades slowly.

Toxicity to Aquatic Invertebrates:	CAS #	Results
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	48 Hr EC50 Daphnia magna: >1000 mg/L
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	48 Hr EC50 Daphnia magna: 1 - 1.5 mg/L

Toxicity to Fish:	CAS #	Results
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	96 Hr LC50 Pimephales promelas: 1.0 - 5.0 mg/L [static]; 96 Hr LC50 Pimephales promelas: 10.0 - 35.0 mg/L [semi-static]

XIII. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

XIV. TRANSPORTATION INFORMATION

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

XV. REGULATORY INFORMATION

TSCA Status: A component or components of this product are listed on the TSCA Inventory of Existing Chemical Substances.
NAFTA Tariff Code: 2710.19.3750
State Restrictions: None Listed.
WHMIS: Uncontrolled product according to WHMIS classification criteria

Chemical Name	Regulation	CAS #	% Range
None Listed.	CERCLA RQ		
None Listed.	SARA 313		
None Listed.	SARA 302-EHS		
None Listed.	TSCA 12b export notification		
None Listed.	CA Prop 65 – Cancer		
molybdenum sulfide	Canadian WHMIS List	1317-33-5	0.1 - 1
Molybdenum disulfide	Massachusetts RTK List	1317-33-5	0.1 - 1
Lithium Soap and Mixed Based Thickeners	New Jersey RTK List	Proprietary	5 - 10
None Listed.	Pennsylvania RTK List		
Lithium Soap and Mixed Base Thickeners	Minnesota Hazardous Substance List	Proprietary	5 - 10



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Consumer Product Safety Improvement Act of 2008 General Conformity Certification:

This product has been evaluated and certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

XVI. ADDITIONAL INFORMATION

Supersedes: 2013-02-05 15:05:35

Revision Date: 2013-02-11 10:39:35

Created by: HAZEMS

Disclaimer: This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.