

Section 1 Product and Company Identification

Chemical Product Name: STL Thread Lubricant
Product Description: Thread Lubricant
CAS Number: Mixture of 64742-65-0, 64742-62-7 and 4485-12-5
Synonyms: NA
Recommended Use(s): Thread lubricant for industrial applications
Company Information: Eaton's Crouse-Hinds Business
P.O. Box 4999
Syracuse, NY 13221-4999
USA
Telephone: (315) 477-7000
Emergency Phone: CHEMTREC (800) 424-9300

Section 2 Hazards Identification

OSHA HCS Status: This product is a hazardous chemical, as defined by OSHA at 29 CFR 1910.1200. Hazards identified are based on hazards of the ingredients. This product has not been fully tested.

Relevant Route of Exposure/Target Organs: Eyes, dermal

OSHA/GHS Signal Word and Hazard Statements:

WARNING: Causes mild skin irritation. Causes eye irritation.

OSHA/GHS Classification and Pictograms:

Skin irritation	Category 3
Eye irritation	Category 2B



OSHA/GHS Precautionary Statements:

Prevention

Wash hands thoroughly after handling.

Response

If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

GHS Hazard and Precautionary Statement Codes: See Section 16.

Section 3 Composition and Information on Ingredients

Component	CAS #	%
Petroleum oil	64742-65-0, 64742-62-7	>60
Lithium hydroxyl stearate (as lithium stearate)	4485-12-5	7

Section 4 First Aid Measures

Eye Contact: Holding eyelids away from the eyeballs, flush eyes thoroughly with lukewarm water for 15 minutes. Do not rub. If irritation persists, seek medical attention.

Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water. Do not rub or scratch skin. If irritation persists, seek medical attention.

Inhalation: Not expected under normal conditions. If mists or degradation products are inhaled, remove to fresh air. Administer oxygen or artificial respiration as indicated and get immediate medical attention.

Ingestion: Not expected under normal conditions. If substantial amounts are ingested, consult a physician. Do not induce vomiting – If vomiting occurs, hold head beneath hips or place on left side with head down to reduce aspiration into lungs. Never give anything by mouth to an unconscious person.

Notes to Physician: High velocity injection under the skin may result in serious injury. If left untreated the affected area is subject to infection, disfigurement, lack of blood circulation and may require amputation. When dispensed by high pressure equipment this material can easily penetrate the skin and leave a bloodless puncture wound. Material injected into a finger can be deposited into the palm of the hand. Within 24-48 hours the patient may experience swelling, discoloration, and throbbing pain in the affected area. Immediate treatment by a surgical specialist is recommended.

Most Important Symptoms/Effects: Causes eye and skin irritation.

Indication of Immediate Medical Attention and Special Treatment Needed: Get medical attention immediately if product comes into contact with skin or eyes.

Section 5 Fire Fighting Measures

Special Fire Fighting Procedures: No unusual fire hazards.

Extinguishing Media: Dry chemical, carbon dioxide, foam, water fog. Foam and water fog are effective but may cause frothing. Do not use direct water stream as oil may spread and frothing can be violent. Continue to cool fire-exposed containers after flames are extinguished.

Protective Equipment: Firefighters should wear a NIOSH-approved, full-facepiece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout gear.

Unusual Fire or Explosion Hazards: Water may be used to keep fire-exposed containers cool and knock down vapors. Mists and sprays may be flammable at temperatures below normal flash point. No unusual fire hazards

Hazardous Combustion Products: Combustion may produce oxides of carbon, lithium compounds, and other oxidation products.

Section 6 Accidental Release Measures

Personal Protection: Wear appropriate protective equipment (i.e., rubber gloves, apron, etc.) as necessary to avoid contact. (See Section 8.)

Spill Procedures: Isolate area of spill and scoop up spilled material. Avoid walking through spilled material. Prevent spills from reaching waterways. Scoop or wipe up spilled material and place in clean container for later disposal. Thoroughly remove residue to prevent slipping.

Environmental Precautions and Cleanup Methods: Scoop up spilled material and place in clean container for later disposal. Do not release into waterways.

Section 7 Handling and Storage

Precautions: Store in a cool, dry, well-ventilated area away from ignition sources and incompatible materials. Keep away from heat, sparks, flames, and strong oxidizers when handling. Avoid skin and eye contact. Promptly change contaminated clothing and discard items that cannot be adequately cleaned (i.e., leather shoes). Wash thoroughly after handling and before meals and breaks. Empty containers may contain combustible product residue. Use appropriate precautions.

Storage: Store in a cool, dry, well-ventilated area. Keep containers closed.

Section 8 Exposure Controls and Personal Protection

Engineering Controls/Ventilation: General ventilation is acceptable for ordinary handling. Local exhaust may be needed to control air contaminants when product is heated or misting may occur.

Eye Protection: Wear eye and face protection. Wear safety goggles that meet ANSI Z87 standards and/or are tested and approved under appropriate government standards.

Respiratory Protection: None required under normal working conditions. If ventilation is insufficient to control air contaminants, select NIOSH approved respiratory protection according to the magnitude of exposure. Select and maintain respirators in accordance with OSHA 29 CFR 1910.134 (In Europe - Standard EN 149).

Skin Protection: Wear rubber gloves, apron, and other clothing as necessary to prevent skin contact.

Component	CAS #	OSHA/PEL	ACGIH/TLV
Petroleum oil	64742-65-0; 64742-62-7	5 mg/m ³ * (oil mist)	TWA 5 mg/m ³ * (oil mist) STEL 10 mg/m ³ (oil mist) TWA 0.2 mg/m ³ (mineral oil mist - 2005 Notice of Intended Change)
Lithium hydroxy stearate (as lithium stearate)	4485-12-5	None established	10 mg/m ³ (For stearates, except stearates of toxic metals)

* As sampled by a method that does not collect vapor

Section 9 Physical and Chemical Properties

Color: Amber

Physical form: Semi-solid

Odor: Bland

Odor Characteristics: Not known

Odor Threshold: Not known

pH (undiluted): Not known

Flash Point: Not known

Flammability (solid, gas): Not known

Boiling Point: Greater than 260°C (500°F)

Evaporation Rate: Not known

Melting Point: Not known

Lower Explosive Limit: Not known

Upper Explosive Limit: Not known

Vapor Pressure: Less than 1 mmHg

Vapor Density: Greater than 1

Specific Gravity: 0.89

Solubility: Insoluble in water

Auto-ignition Temperature: Not known

Decomposition Temperature: Not known

Section 10 Stability and Reactivity

Stability: Stable under normal use and storage conditions.

Hazardous polymerization: Will not occur.

Oxidizing Properties: None known for product.

Hazardous Decomposition Products: Combustion may produce oxides of carbon and smaller amounts of toxic lithium, and other oxidation products.

Incompatibilities/Conditions to avoid: Avoid contact with strong oxidizers (e.g., liquid chlorine, peroxides).

Section 11 Toxicological Information

Acute Toxicity and Immediate Effects:

Oral LD50 (rat): Petroleum oil - >5 g/mg; Lithium hydroxyl stearate - >15 g/mg

Inhalation LC50 (rat): Petroleum oil - >2-4 mg/l

Dermal LD50: Petroleum oil - >2,000 mg/kg

Delayed and Chronic Effects: Chronic skin painting studies with severely solvent refined neutral oils did not produce evidence of skin cancer in mice.

Carcinogenicity:

IARC: No

NTP: No

OSHA: No

Mutagenicity: No data is available for this material.

Reproductive Toxicity: No data is available for this material.

Sensitization: No data is available for this material.

Section 12 Ecological Information

No data is available for this material. Avoid exposure to environment whenever possible. This mixture has not been tested for persistence or biodegradation. Water accommodated fractions (WAF) of highly refined base oils did not produce acute toxicity in fish (100-1000 mg/l), fresh water algae (500 mg/l) or daphnia (10,000 mg/l) in 48-96 hour LC50 studies. Based on component data, this mixture is not expected to be readily biodegradable nor acutely toxic.

Toxicity to Fish: NA

Ecotoxicological Information: NA

Chemical Fate Information: NA

Section 13 Disposal Considerations

Recycle, reclaim and dispose of in accordance with applicable local, state and federal regulations for used or waste petroleum grease/oil. According to 40 CFR 112, this product is an oil; therefore, the US EPA requires that spills which reach surface waters must be reported to the National Response Center (800-424-8802). Dispose of wastes per 40 CFR Parts 261/262 or 279, as appropriate. If disposed as sold, this product would not be RCRA-regulated as a hazardous waste but may be regulated by state or local rules.

Section 14 Transportation Information

Proper Shipping Name: Not classified as hazardous by DOT, IATA/ICAO and IMO.

Hazard Class: Not classified as hazardous by DOT, IATA/ICAO and IMO.

Packing Group: Not classified as hazardous by DOT, IATA/ICAO and IMO.

UN Number: Not classified as hazardous by DOT, IATA/ICAO and IMO.

Section 15 Regulatory Information

TSCA Inventory Status: All ingredients are listed on the TSCA inventory.

SARA Section 311/312 Hazard Categories: Immediate (acute) hazards

Section 313 Toxic Chemicals: This product does not contain ingredients subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.

CERCLA RQ: This product does not contain ingredients subject to the reporting requirements of SARA 304 (CERCLA) and 302 (EHS).

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer.

WHMIS Classification: D2B

Section 16 Other Information

Revision Number: Revision 2

Revision Date: March 26, 2015

Explanation of Health Hazard Statements:

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Abbreviations

CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	US Code of Federal Regulations
GHS	Globally Harmonized System
HCS	Hazard Communication Standard
HSIS	Australia Hazardous Substance Information System
IARC	International Agency for Research on Cancer
LD50	Lethal dose to 50% of exposed laboratory animals
NA	Not available
NIOSH	US National Institute of Occupational Safety and Health
NOEC	No observed effect concentration
NTP	US National Toxicology Program
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
SARA	Superfund Amendments and Reauthorization Act
STEL	Short term exposure limit
TSCA	Toxic Substances Control Act
TWA	Time weighted average
UN	United Nations
WHMIS	Canada Workplace Hazardous Material Information System

DISCLAIMER

The information in this SAFETY DATA SHEET should be provided to all who will use, handle, store, transport, or otherwise be exposed to this material. This information has been prepared for the guidance of plant engineering, operations, and management, and for persons working with or handling this material. Eaton Crouse-Hinds believes this information to be reliable and up-to-date as of the date of publication, but makes no warranty that it is.