



LUBRI-LOY.

Safety Data Sheet

Revision Date: April 6, 2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 GHS Product Identifier

Product Name: Lubri-Lith, Lithium Complex Grease, NLGI# 2

Other Means of Identification :

Product Code: 2192L, 27040L

1.2 Relevant identified uses of the substance or mixture and uses advised

against Product Use: Industrial Grease

Uses advised against: No information available

1.3 Details of supplier of safety data sheet

Manufacturers/Supplier: The Lubri-Loy Company
150 Enterprise Dr.
Wentzville, MO 63385

Telephone Number: (636) 561-5007

Emergency Telephone Number: (636) 561-5007

2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

This product is not considered hazardous by OSHA Hazard Communication Standard 29 CFR 1910.1200

Label Elements:

Hazard Pictogram:



Signal Word: Warning

Hazard Statement:
May be harmful in contact with skin
May cause eye irritation

Precautionary Statement:

General:
Keep Out of Reach of Children
Read Label Before Use

Prevention and Personal Protection Equipment:
Always wear eye or face protection
Protect exposed skin from prolonged use

Hazard Response:
Eyes: Rinse eyes continually for several minutes
Skin: Wash affected skin with soap and water

Storage:
Not applicable

Disposal:
Always return waste to appropriate collection center
Dispose of empty containers in accordance with all national, state and local regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:
This product contains no substances which at their given concentrations are to be considered hazardous to health and safety.

Additional Information:
This product is a Lithium Complex Grease blended with a mixture of mineral oil with additives. The formulation is considered a trade secret and specific chemical names and/or percentages of the components have not been disclosed.

4. FIRST AID MEASURES

General Information:
Not expected to contain or cause any specific health or safety hazards when used in accordance with label.

INGESTION:
Seek medical attention if discomfort occurs. Do not induce vomiting.

SKIN:
Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

EYE:
Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist or if unconscious.

NOTES TO PHYSICIAN:

No Data

5. FIRE-FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal

SUITABLE MEANS OF EXTINCTION: Water, CO₂, dry chemical, or universal aqueous film forming foam.

UNSUITABLE EXTINGUISHING MEDIA: Not available

FLASH POINT AND METHOD OF DETERMINATION: 455 F ASTM D92 (Cleveland Open cup)

FLAMMABLE LIMITS: Lower (LEL): No data **Upper (UEL):** No data

AUTOIGNITION TEMPERATURE: Not Available

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon (CO, CO₂), smoke, and vapors as products of incomplete combustion.

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: Not available

EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: Not available

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed containers as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

SPECIAL FIRE AND EXPLOSION HAZARDS: Not available

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES:

Report spills/releases as required to appropriate authorities. Some regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

For land spills shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. For water spills confine the spill immediately with booms. Notify port and/or other relevant authorities. Remove from the surface by skimming or with suitable absorbents.

ENVIRONMENTAL PRECAUTIONS:

Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil or vegetation.

7. HANDLING AND STORAGE

HANDLING:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection.

STORAGE: Keep contains closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, or flame.

EMPTY CONTAINER WARNING:

Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

When mists/aerosols can occur, the following are recommended: 5 mg/m³ (as oil mist) – ACGIH Treshold Limit Value (TLV), 10 mg/m³ (as oil mist) – OSHA Permissible Exposure Limit (PEL).

Lithium hydroxide mono hydrate	AIHA WEEL	Ceiling	1.8 mg/m ³
Mineral Oil	ACGIH	TWA –vacated and TWA	5.0 mg/m ³
Zinc alkyl dithiophosphate	ACGIH	TWA	5.0 mg/m ³

ENGINEERING AND EXPOSURE CONTROLS:

General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

Personal protective equipment pictograms:



RESPIRATORY PROTECTION:

When mists are generated, and/or when ventilation is not adequate, wear a NIOSH approved respirator with an appropriate cartridge. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

SKIN AND HAND PROTECTION:

For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

EYE PROTECTION:

Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

OTHER PROTECTIVE EQUIPMENT:

Safety showers and eye-wash stations should be available in the workplace

HYGIENE MEASURES: Avoid breathing vapors and contact with the skin and eyes. Keep out the reach of children. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (COC):	>455F
MELTING/FREEZING POINT:	Not available
SPECIFIC GRAVITY (H ₂ O=1):	0.870g/cc
WEIGHT:	7.8 lbs/gal
VAPOR PRESSURE:	<1 mm Hg
pH:	Not available
VAPOR DENSITY:	Not available
EVAPORATION RATE:	Not available
PHYSICAL STATE:	Paste
WATER SOLUBILITY:	Insoluble
PERCENT VOLATILE:	0% Wt (0% Vol)max
VOC CONTENT:	0.0 lbs/gal (0.0 g/L)
PERCENT VOC:	0% Wt (0% vol) Max
HAP CONTENT:	0.0 lbs/gal (0.0 g/L)
VISCOSITY:	>460 SSU
MIR VALUE:	0.0
ODOR THRESHOLD:	Not available
COEFF. OF WATER/OIL DIST:	Not available
APPEARANCE:	Red Semi-solid
ODOR:	Slight Petroleum

10. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS OF INSTABILITY:	Not available
HAZARD POLYMERIZATION:	Not expected to occur
MATERIAL INCOMPATIBILITY:	Strong oxidizers
CONDITIONS OF REACTIVITY:	Extreme heat and high energy sources of ignition
DECOMPOSITION PRODUCTS:	At elevated temperatures oxides of carbon can be produced.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: The petroleum base oil contained in this product has been highly refined by a variety of processes including hydrotreating and dewaxing to remove aromatics and improve performance characteristics. None of these oils used are listed as a carcinogen by NTP, IARC or OSHA

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Base Oil	>10 g/l/96 hr	Not available	Not available	Not available

MOBILITY:..... When released into the environment, absorption to sediment and soil will be the predominant behavior.

PERSISTANCE:.....Not available

DEGRADIBILITY:.....This product is expected to be inherently biodegradable.

BIOACCUMULATION:.....Unlikely due to the very low water solubility of the product.

OTHER ECOLOGIC DATA:.....Do not allow to enter waters, waste water, or soil.

EFFECT ON OZONE LAYER:....This product does not contain any ozone depleting ingredients.

13. DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT INFORMATION:

Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and Regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

14. TRANSPORT INFORMATION

NON-REGULATED MATERIAL

ALL MODES

NMFC DESCRIPTION (United States)

ITEM DESCRIPTION:.....Compounds, Lubricating

ITEM NUMBER:.....LC252

CLASS:.....55-65

15. REGULATORY INFORMATION

UNITED STATES-FEDERAL:

INGREDIENT	CAS #	TSCA	RCRA	CERCLA	SARA 313	SARA 311/312
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UNITED STATES-STATES:

INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA
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CANADA:

INGREDIENT	A	B	D1B	D2A	D2B	E	DSL	NDSL	NPRI	CWC
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WHMIS CLASSIFICATION: Not regulated

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

EUROPEAN UNION:

INGREDIENT	EINECS	SYMBOL	RISK PHRASES	SAFETY PHRASES
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SARA (313) Toxic Release Inventory: This material may contain chemical(s) regulated under SARA. For specific question contact customer service.

RoHS Compliance: This product is RoHS compliant according to the definitions and restrictions given by The European Parliament (Directive 2002/95/EC) and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

16. OTHER INFORMATION

HMIS	
HEALTH	1
FLAMMABILITY	0
INSTABILITY	0
SPECIFIC	0

NFPA 704



Revision Date: April 6, 2015

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Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS