

**Product name:** Lockrey-Moly Products®/Liqui-Moly NV Thread Compound  
**Product no.** NSN 8030-01-365-9522 Cage # 98113 NPC60307-1/ MCS9073 / PCS5723  
**Current version:** 01.03.2015 GHS Standard Mfg. by Lockrey Company **MIL-PRF-907F**

**Section 1: Product and Company Information**

- 1.1 Product name:** Lockrey-Moly Products® / Liqui-Moly® NV Thread Compound anti-galling & anti-seize compound
- 1.2 Product uses:** Provides extended application and service life on any type of threaded joint where difficult alloys, tight fits, severe chemical, or temperature conditions might cause freezing, galling, carbonization, or oxidation of threads. Meets U.S. Military specifications and supersedes the Mil-PRF-907F. Listed on the Qualified Product List
- 1.3 Details of supplier of safety data sheet:**  
 Company name: Lockrey Company LLC.  
 Address: 1280 Old York Road Burlington New Jersey 08016 U.S.A.  
 Tel Number: 856-665-4794 Fax: 856-665-4166 Email: lockreycompany@gmail.com
- 1.4 Emergency telephone numbers**  
 856-665-4794 (Mon – Fri 9am – 6pm) (EST)

**Section 2: Hazards Identification**

- 2.1 Classification Information:** This product does not meet the classification and labeling criteria given in the Dangerous Preparations Directive
- 2.2 Label Elements:** Not relevant
- 2.3 NFPA Hazard rating system:** Health: 01, Flammability: 0, Reactivity: 0
- 2.4 U.S.A. Data:** This material is not considered to be carcinogenic by sources listed below National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), Occupational Safety and Health Administration (OSHA)

**Section 3: Information on Ingredients**

**3.1 Mixtures:**

Lubricating Synthetic Glycol Base	(CAS # 9003-13-8)	65-80%
Molybdenum Disulfide (VOC)	(CAS # 1317-33-5)	10-30%
Artificial Silica thickener	not available	1-15%
Proprietary Additives Mixtures	not available	1-5%

**Section 4: First Aid Measures**

- 4.1 Description of first aid measures**  
 After inhalation: No emergency anticipated  
 After skin contact: Use hand cleaner, followed by washing with soap and water  
 After eye contact: Separate eyelids, wash eyes thoroughly with water  
 After ingestion: No harmful effects expected
- 4.2 Most important symptoms and effects, both acute and delayed:** No data available
- 4.3 Indication of any immediate medical attention and special treatment needed:** No data available

# Material Safety Data Sheet

Lockrey Company LLC.

**Product name:** Lockrey-Moly Products®/Liqui-Moly NV Thread Compound

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## Section 5: Firefighting Measures

### 5.1 Extinguishing media

Suitable extinguishing media: Co2 dry chemical or foam

Unsuitable extinguishing media: No data available

**5.2 Special hazards arising from the substance or mixture:** No data available

**5.3 Special fire fighting procedures:** Air pack and protective clothing if necessary

## Section 6: Accidental Release Measures

**6.1 Steps to be taken in case material is released or spilled:** use sand, earth, or other suitable absorbent to spill area and collect for disposal

**6.2 Waste disposal method:** Incinerate where permitted under appropriate Federal, State, and local regulations. Keep product out of sewers and watercourse by diking or impounding.

**6.3 Environmental precautions:** Do not discharge into drains/surfaces or Water/groundwater

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

Advice on safe handling: No special measures necessary if stored and handled as prescribed. Provide ventilation of working area

General protective and hygiene measures: Do not eat, drink, or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountains in work area

### 7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Keep containers dry and tightly closed

Requirements for storage rooms and vessels: Store product in closed containers

## Section 8: Exposure Values

### 8.1 Occupational exposure limit values

Threshold limit value: 10 mg/m<sup>3</sup> ACGIH

OSHA Permissible Exposure level: 15-mg/m<sup>3</sup> form oil mist in air.

### 8.2 Exposure controls

Swallowing: May cause nausea

Inhalation: None currently known

Skin absorption: None currently known, Use protective gloves

Eye contact: None currently known, Use safety glasses

Effects of overexposure: None currently known

**Product name: Lockrey-Moly Products®/Liqui-Moly NV Thread Compound****Current version: 01.03.2015 GHS Standard Mfg. by Lockrey Company MIL-PRF-907F****Section 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

Form: Liquid

Color: Blue/Grey

Odor: Pleasant

Boiling range: Approximately 250°C. 482°F.

Vapor pressure: Less than 0.01 mm-hg at 20C. / 0.01

Vapor density: Less than 0.01

Solubility in water: Insoluble

Flash point: 254°C. 490°F.

Specific gravity (H2O-1): 15.6/15.6999

Evaporation rate: Less than 0.01

Melting point: No data available

Ignition temperature: No data available

Decomposition point: No data available

Viscosity: No data available

**Section 10: Stability and Reactivity****10.1 Reactivity:** No data available**10.2 Chemical Stability:** Stable**10.3 Possibility of hazardous reactions:** No data available**10.4 Conditions to avoid:** None, if handled according to order**10.5 Incompatible materials:** Avoid contact with chemical agents**10.6 Hazardous decomposition products:** Products burning can produce oxides of Nitrogen, Sulfur Dioxide, and Co2**Section 11: Toxicological Information****11.1 Information on toxicological effects**

Acute-oral toxicity and Acute-dermal toxicity, Acute-inhalation: Non-toxic

Skin corrosion/irritation and Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Reproduction toxicity: Non-toxic

Carcinogenicity: No data available

STOT-single exposure and STOT- repeat exposure: No data available

Aspiration hazard: No data available

Symptoms related to the physical, chemical, and toxicological characteristics: No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure: No data available

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**Section 12: Ecological Information**

**12.1 Toxicity**

Fish toxicity: Non-toxic

Daphnia toxicity: Non-toxic

Algae toxicity: Non-toxic

Bacteria toxicity: Non-toxic

**12.2 Persistence and degradability**

Physico-chemical eliminability: No data available

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** No data available

**12.5 Results of PBT and vPvB assessment:** No data available

**12.6 Other adverse effects:** No data available

**Section 13: Disposal Considerations**

**13.1 Waste treatment methods**

**Products:** Allocation of a waste should be carried out in agreement with the appropriate regional waste disposal company.

**13.2 Packaging:** Residuals must be removed from packaging and when emptied completely disposed of in accordance with regulations for waste removal.

Incompletely emptied packaging must be disposed of in form of disposal specified by regional disposer

**Section 14: Transport Information**

**14.1 Transport DOT**

U.S.A Department of Transportation Class Non-hazardous

Non-restrictive material

**14.2 Other information**

No data available

**Section 15: Regulatory Information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No safety, health or environmental regulations for product

**15.2 Chemical safety assessment**

No data available

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The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding sections.

Department of Transportation (DOT), National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), Occupational Safety, and Health Administration (OSHA), National Fire Protection Association (NFPA)  
National Threshold Limit Values of the corresponding countries as amended in each case.

**16.2 Military Specifications**

Meets U.S. Military specifications and supersedes the Mil-PRF-907F  
Listed on the Qualified Product List  
Compliance to the REACH Annex XIV for the European Directive

**16.3 Safety data sheet issued by**

Lockrey Company LLC.  
Hunter George (Technical data sheet coordinator)  
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# LOCKREY-MOLY PRODUCTS®

## LIQUI-MOLY® NV THREAD COMPOUND

**Anti-Galling and Anti-Seize Compound**

**Technical Data sheet**

**General information: Liqui-Moly NV Thread Compound** is consisting solely of special treated molybdenum that's blended to a smooth homogenized buttery anti-seize paste. Using the finest synthetic base stock materials available. Non-corrosive to iron, steel, brass, cooper, bronze, aluminum. Anti-galling and anti-seize between medal threaded parts. High temperature on threaded joints greater than 2500°F.

**Description of Product: Liqui-Moly NV Thread Compound** is specially designed with friction reducing properties. Provides extra long life in difficult high temperature applications. Does not harden or freeze joints after long exposure to high temperatures and is non-gumming and non-varnishing.

### Physical properties:

Color:	Blue/Grey
Temperature Range:	Pour point -30°F. High temperature on threaded joints 2500°F.
Solubility in water:	Insoluble
Specific Gravity:	(H2O-1) 15.6/15.6999
Weight per Pint:	1 lbs.
Non-Toxic:	USDA non-hazardous non-restrictive materials

**Product Uses: Liqui-Moly NV Thread Compound** provides extended application and service life on any type of threaded joint where difficult alloys, tight fits, severe chemical, or temperature conditions might cause freezing, galling, carbonization, or oxidation of threads. Permits easier disassembly without damage to threads or parts by tighter make up and anti-seize action matting surfaces. Also has excellent lubricity for use in other applications such as bearings, bushings, valve stems, and assembly compounds. This product is Department of Transportation class non-hazardous non-restrictive article and has no Expiration date when containers are kept sealed.

**Manufacturer:**  
**Lockrey Company LLC.**  
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856-665-4794 Fax 856-665-4166  
In Business since 1940

**Lockrey-Moly Products®**  
**Liqui-Moly® is produced by**  
**Lockrey Company LLC.**

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