

Safety Data Sheet

Lockrey Company LLC.

Product name: Lockrey-Moly Products® / Liquid-Lockrey-Moly™ NV Grease

Product no. NSN 9150-00-664-0050 Cage # 98113 Mfg. Lockrey Company MIL-G-21164 & D
The Liquid Original Moly NV Grease - Used by Aerospace Industry and the Military since 1950

Current version: 01.03.2020 GHS Standards Also meets MIL-PRF-81322F / MIL-G-27617

Section 1: Product and Company Information

1.1 Product name: Lockrey-Moly Products® / Liquid-Lockrey-Moly™ NV Grease

Extreme Pressure and anti-friction. Manufactured by The Lockrey Company.

1.2 Product uses: Grease designed for lubrication of highly loaded navel components where chemical or temperature conditions might cause freezing, galling, carbonization or oxidation and extends service life of medal parts. Meets and exceeds U.S. Military specifications for MIL-G-21164 & D. Listed on the Qualified Product List.

1.3 Details of supplier of safety data sheet:

Company: LOCKREY COMPANY LLC. Address: 614 Emerald Bay Drive Salisbury, NC 28146

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) U.S.A.

Section 2: Hazards Identification

2.1 Classification Information & Label Elements: Not relevant, this product does not meet the classification and Labeling criteria given in the Dangerous Preparations Directive.

2.2 NFPA Hazard rating system: Health: 0, Flammability: 0, Reactivity: 0

2.3 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	(CAS # 1317-33-5)	10-30%
Artificial Silica thickener	not available	5-20%
Proprietary Additives Mixtures	not available	1-5%

3.2 Confirm Proprietary Ingredients: Non-Hazardous and have no exposure limits

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 Indication of immediate medical attention or special treatment needed: No data available.

4.3 Important symptoms and effects, both acute and delayed: No data available.

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Section 5: Firefighting Measures

5.1 Extinguishing media:

Suitable extinguishing media: Co2 dry chemical or foam

Unsuitable extinguishing media: Do not use direct water stream. May spread fire.

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/m³ ACGIH

OSHA Permissible Exposure level: 15-mg/m³ 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

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Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Form: Liquid

Color: Blue/Grey

Odor: Pleasant/Mild

Boiling range: Approximately 250 °C 482 °F

Vapor pressure: Less than 0.01 mm-hg - at 20 °C (68 °F) *ASTME1719*

Vapor density: (Air = 1) Less than 0.01, Density: (Water = 1) 0.999 - at 20 °C (68 °F)

Solubility in water: Insoluble

Flash point: 254 °C 490 °F

Specific gravity (H2O-1): 1.56/1.56999

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

Volatile Organic Compound: 0.00 g/L *EPA Method No. 24*

Section 10: Stability and Reactivity

10.1 Reactivity: Stable under ambient temperatures and pressures.

10.2 Chemical Stability: Stable, Non-volatile content compound (%vol): Not Applicable.

10.3 Possibility of hazardous reactions: None have been identified.

10.4 Conditions to avoid: None, if handled according to order.

10.5 Incompatible materials: Avoid contact with chemical agents

10.6 Hazardous decomposition: 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 relevant data found. The LC50 is not determined

Germ cell mutagenicity: In vitro genetic toxicity studies were negative.

Reproduction toxicity: Non-toxic no relevant data available for assessment.

Carcinogenicity: Did not cause cancer in laboratory testing.

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

Aspiration hazard: No data available

Symptoms related to physical, chemical & toxicological characteristics: No data available.

Immediate and delayed or chronic effects from short & 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 European Agreement concerning the International Carriage of Dangerous Goods:

(ADR) by Road, (RID) by Rail, (ADN) by Inland Waterway, (IMDG) by Maritime

Transport classification: No Regulations or Restrictions

14.3 Other information:

Classification for SEA transport (IMO-IMDG): Not regulated for transport

Classification for AIR transport (IATA/ICAO): Not regulated for transport

Section 15: Regulatory Information

15.1 Health safety & environmental regulations/legislation specific for substance or mixture:

No safety, health, or environmental regulations for product

15.2 Chemical safety assessment: No data available

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Section 16: Other Information

16.1 Sources of key data used to compile the data sheet:

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 and exceeds U.S. Military specifications for MIL-G-21164 & MIL-G-21164D

Certified for all updates & types for this MIL Spec. Listed on the Qualified Products List.

This product made the exact same way with no changes since 1950 & meets the QPL standard

Also meets the following Military specs. MIL-G-81322, MIL-PRF-81322F, MIL-G-27617, MIL-L-6085A and meets specifications for National Stock Number NSN 9150-00-935-4018

16.3 Quality Material No Substitutions:

If the order calls for Lockrey-Moly Products® (Liquid-Lockrey-Moly™ NV Grease)

You must use this product no substitutes because it is made with higher quality materials.

Has no Copper or Graphite in this product and is Lead free. (Environmentally Friendly)

16.4 Compliance to (REACH)

This product compliance to the REACH Annex XIV & XVII for the European Directive.

16.5 Safety data sheet issued by

Lockrey Company LLC.

Hunter George (Technical data sheet coordinator)

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