

LYMAN PRODUCTS

SAFETY DATA SHEET

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830),

Date Issued: 10/13/15
Date Revised: None
Revision Number: New SDS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name Super Moly™ Bullet Lube

Product Number #2857272

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Bore Protectant and Lubricant

Restrictions on Use: None known

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: Lyman Products
475 Smith Street
Middletown, CT 06457 USA

Information Phone Number: (860) 632-2020

E-mail

1.4 Emergency Telephone Number

Emergency Spill Information For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or
+1 703-527-3887 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

US Hazard Classification (29CFR 1910.1200-2012): This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard.

GHS/CLP (1272/2008) Classification:

This product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

2.2 Label Elements:

US: None Required.

EU: Contains Citronella Oil. May produce an allergic reaction.

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Proprietary Mixture	Proprietary	Proprietary	Not Hazardous	70 - 75
Molybdenum disulfide (MoS ₂)	1317-33-5	215-263-9	Not Hazardous	25 - 30
Citronella Oil	8000-29-1	616-771-7	Eye Damage Category 1 (H318) Skin Irritant Category 2 (H315)	<0.1%

			Skin Sensitizer Category 1B (H317)	
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The exact percentage and composition is a trade secret

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Flush eyes thoroughly with water. Get medical attention if irritation occurs and persists.

Skin: No first aid should be needed. If irritation occurs, wash contact area with soap and water. Get medical attention if irritation or symptoms of exposure develop and persist.

Inhalation: No first aid should be needed. If irritation occurs and persists, get medical attention.

Ingestion: No harmful effects are expected. If symptoms occur, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: May cause slight eye, and skin irritation. May cause an allergic skin reaction in already sensitized individuals.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate first aid should not be needed.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing Media: No classified as flammable or combustible but will burn under fire conditions. Use media appropriate for the surrounding environment. Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. Water may cause splattering.

Combustion Products: Thermal decomposition or combustion may generate oxides of carbon, Molybdenum trioxide fumes, and sulfur dioxide gas.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Seek to ensure ventilation that maintains exposure. Keep unprotected persons away. Although the substance has no or very low acute toxicity hazard, it is advised to avoid contact with skin, eyes, and clothing; wear suitable protective equipment when needed.

6.2 Environmental Precautions:

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:

Collect spilled material in suitable containers for recovery or disposal. In the case of disposal, spilled material or contaminated material should be disposed of as waste as described in Section 13.

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Wash thoroughly after handling. Avoid contact with skin, and eye. Avoid contact with clothing. Use with good industrial hygiene practices. Wear appropriate personal protective equipment.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a dry area away from incompatible materials.

7.3 Specific end use(s): Bore Protectant and Lubricant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Proprietary Mixture	None Established
Molybdenum disulfide (as Molybdenum compounds, as Mo)	10 mg/m ³ TWA (inhalable), 3 mg/m ³ TWA ACGIH TLV (respirable) 15 mg/m ³ TWA OSHA PEL (total dust) 10 mg/m ³ TWA (inhalable aerosol), 20 mg/m ³ STEL UK WEL (inhalable aerosol) 6 mg/m ³ TWA South Korea 10 mg/m ³ TWA China
Citronella Oil	None Established

8.2 Exposure Controls:

Appropriate Engineering Controls: General exhaust ventilation should be adequate to maintain exposures below excessive concentrations.

Respiratory Protection: None required for normal use. If exposures are excessive, an approved respirator may be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are recommended if needed to avoid prolonged contact.

Eye Protection: None should be needed under normal use conditions. Safety glasses should be used if eye contact is likely.

Other Protective Equipment: None should be needed under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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9.1 Information on basic Physical and Chemical Properties:

Appearance: Yellow or white solid wax in a cylinder shape.	Vapor Density: No data available
Odor: None reported.	Specific Gravity: Not determined.
Odor Threshold: No data available	Solubility: No data available
pH: Not applicable	Octanol/Water Partition Coefficient: No data available
Melting Point/Freezing Point: No data available	Autoignition Temperature: No data available
Boiling Point: 143.6 - 149°F (62-65°C) (Based on product components)	Decomposition Temperature: No data available
Flash Point: > 200°F (93.3°C) (Based on product components)	Viscosity: Not applicable.
Evaporation Rate: Not applicable	Explosive Properties: None
Flammable Limits: LEL: No data available UEL: No data available	Oxidizing Properties: Not an oxidizer
Vapor Pressure: No data available	Flammability (solid, gas): Not applicable

9.2 Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive under regular storage and handling conditions.

10.2 Chemical Stability: Stable under regular storage and handling conditions.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Avoid high temperatures, heat and flames.

10.5 Incompatible Materials: Strong oxidizing agents.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may generate oxides of carbon, molybdenum trioxide fumes, and sulfur dioxide gas.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Potential Health Effects:**

Eye Contact: Contact may cause slight eye irritation.

Skin Contact: Contains Citronella oil: May elicit an allergic reaction in already sensitized individuals.

Inhalation: No adverse effects expected.

Ingestion: Not expected to be harmful. Ingestion of large amounts may cause gastrointestinal distress.

Acute Toxicity Values:

Proprietary Mixture: Not acutely toxic.

Oral rat LD50 > 5000 mg/kg, inhalation rat LC50 > 2.82 mg/L, dermal rat LD50 > 16000 mg/kg.

Skin corrosion/irritation: No data available for mixture. This product is not classified as a skin irritant.

Eye damage/irritation: No data available for mixture. This product is not classified as an eye irritant.

Respiratory Irritation: No data available for mixture. This product is not classified as a respiratory irritant.

Respiratory Sensitization: No data available for mixture. This product is not classified as a respiratory sensitizer.

Skin Sensitization: No data available for mixture. This product is not classified as a skin sensitizer, but contains citronella oil, and may elicit an allergic reaction in already sensitized individuals.

Germ Cell Mutagenicity: No data available for mixture. This product is not classified as a germ cell mutagen.

Carcinogenicity: None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

Reproductive Toxicity: No data available for mixture. This product is not classified as a reproductive toxin.

Aspiration Hazard: No data available for mixture. This product is not classified as an aspiration hazard.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available. This product is not expected to be hazardous to the environment.

12.2 Persistence and Degradability: 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: This product is not PBT or vPvB.

12.6 Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Dispose in accordance with all local, state and national regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated	N/A	N/A	None
Canadian TDG	None	Not regulated	N/A	N/A	None
EU ADR/RID	None	Not regulated	N/A	N/A	None
IMDG	None	Not regulated	N/A	N/A	None
IATA/ICAO	None	Not regulated	N/A	N/A	None

14.6 Special Precautions for User: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Not Hazardous

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm: None

INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: All of the components are listed on the Canadian Domestic Substances List.

European Union: All of the components are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

Korea: All of the components of this product are listed on the Korean Existing Chemical List (KECL).

Japan: All of the components of this product are listed on the Japanese Existing and New Chemical Substances List (ENCS).

New Zealand: One or more of the components of this product are not listed on the New Zealand Inventory of Chemicals (NZIoC).

Philippines: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

German WGK: 1

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health - 1	Flammability - 1	Physical Hazard - 0
NFPA Ratings: Health - 1	Flammability - 1	Instability - 0

Supersedes: None
Date Updated: 10/13/15
Revision Summary: New document.

GHS Classification for Reference (See Sections 2 and 3):
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.