

# MATERIAL SAFETY DATA SHEET



## Section 1: Product & Company Identification

**Product Name:** Moly-Graph® Extreme Pressure Multi-Purpose Grease

**Product Number (s):** SL3141-SL3149, 8SL3141

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## Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Lube Oil 500 SUS	64742-52-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	(mist)	70-100
Molybdenum Disulfide	1317-33-5	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NE	0-1
Natural graphite	7782-42-5	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>	NE	0-1

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## Section 3: Hazards Identification

### Emergency Overview

Appearance & Odor: Moly gray, mild, bland petroleum odor

### Potential Health Effects:

- Inhalation: Exposure to vapors generated at high temperatures may cause respiratory irritation, nausea and headaches.
- Eyes: Irritation
- Skin: Repeated or prolonged contact can cause drying of the skin.
- Ingestion: Can cause stomach ache and vomiting. Main hazard, if ingested is aspiration into the lungs and subsequent pneumonitis.

Carcinogenicity: OSHA: No IARC: No NTP: No  
Chronic Overexposure: Unknown  
Medical Conditions Aggravated by Exposure: Pre-existing skin and pre-respiratory conditions.

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## Section 4: First Aid Measures

- Inhalation: Remove to fresh air. Give oxygen or artificial respiration if necessary. Get medical attention.
- Eyes: Flush with large amounts of water for 15 minutes. Contact physician if discomfort continues.
- Skin: Remove contaminated clothing and wash area with soap and water.
- Ingestion: Call a physician. Do not induce vomiting!

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Section 5: Fire-Fighting Measures

Flashpoint: >400°F Method: TCC LEL: 0.9 UEL: 7.0

Extinguishing Media: CO<sub>2</sub>, dry chemical, sand, alcohol resistant foam

Hazardous Combustion Products: Oxides of carbon, sulfur

Fire-fighting Instructions: Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Keep run-off water out of sewers and water sources. Self-contained breathing equipment and chemical resistant clothing recommended.

NFPA: Health: 1 Flammability: 1 Reactivity: 0  
HMIS: Health: 1 Flammability: 1 Reactivity: 0 PPE: B

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Section 6: Accidental Release Measures

Spill/Leak Procedures: Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

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Section 7: Handling and Storage

Handling Procedures: Ventilate well, avoid breathing vapors. Do not reuse container. Keep lid closed when not in use. Wash hands after use and before handling food.

Storage Procedures: Store in a cool, dry area. Store away from strong acids and oxidizers. Keep out of reach of children.

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Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide local ventilation adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Usually not required. Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus if above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

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Section 9: Physical & Chemical Properties

Physical State: Liquid/Grease Appearance & Odor: Moly gray, mild, bland petroleum odor  
Specific Gravity: 0.9-1.0 Boiling Point: ND  
Freezing Point: ND Vapor Pressure: < 0.01 mmHg

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Evaporation Rate:	< 0.01 (BuAc =1)	Vapor Density (air = 1)	> 5
pH:	NA	Solubility:	Insoluble in water
Volatile Organic Compounds %:	1.5	g/L: 14	lbs./gal: 0.12

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**Section 10: Stability and Reactivity**

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Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong oxidizers, acids		
Conditions to Avoid:	None		
Hazardous Decomposition Products:	Oxides of carbon, sulfur		

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**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

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**Section 12: Ecological Information**

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Ecotoxicity:	No data available.
Environmental Fate:	No data available for biodegradation.

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**Section 13: Disposal Considerations**

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

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**Section 14: Transportation Information**

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Shipping Name:	Not Regulated				
Hazard Class:	NA	UN Number:	NA	Packing Group:	NA
Label:	NA	Placard:	NA		
Special Provisions:	NA				

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**Section 15: Regulatory Information**

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TSCA:	All components are either listed under TSCA or are exempt.		
SARA Title III:	Section 311/312:	NA	
	Section 313*:	Zinc compounds (1-5%)	
CERCLA/Superfund (RQ):	NA		
Extremely Hazardous Substances:	No		
California Prop 65:	No		

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\* See section 2 for percentage

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Section 16: Additional Information

Prepared By: Michelle Milburn Date: December 1, 2004

Technical Information: (800) 521-3168 CRC #: SL3141

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service

ppm: Parts per Million

TCC: Tag Closed Cup

LEL: Lower Explosive Limit

UEL: Upper Explosive Limit

PPE: Personal Protection Equipment

COC: Cleveland Closed Cup

NA: Not Applicable

ND: Not Determined

NE: Not Established

g/L: grams per Liter

lbs./gal: pounds per gallon

RQ: Reportable Quantity