

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT NAME AND COMPANY IDENTIFICATION

PRODUCT NAME: Molybdenum Disulfide Petrolatum **PRODUCT USE:** Thread Compound - Anti Seize
Military Specification: MIL-PRF- 83483 (Any Threaded Fasteners or Fittings at temperatures
NSN 8030-00-087-8630 (1 lb. Can) below 800° F.)
8030-00-243-3285 (8 oz Tube)

Manufacturer/Supplier: Armite Laboratories Inc.
Cage Code 84180 **1560 Superior Ave** **Phone: (949) 646-9035**
 Costa Mesa, CA 92627 **Fax: (949) 646-8319**

EMERGENCY: Prepared By: Armite Laboratories
Chem-Tel Inc. (800) 255-3924 Last Revision Date: November 26, 2007

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	OSHA PEL	ACGIH TWA	% (OPT)
NON HAZARDOUS BLEND Petrolatum	8009-03-8		5 mg/m ³ TWA (Mist) 10mg/m ³ STEL (Mist)	(48-52%)
Molybdenum Disulfide MOS₂ Technical Grade)	1317-33-5 (RTECS # QA4697000)		10 mg/m ³ (i) (as Mo) 3 mg/m ³ (r) (as Mo)	Balance

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry: Eyes, Ingestion, Skin
Eyes: May cause irritation.
Ingestion: May cause diarrhea.
Skin: May cause possible rash for persons with hypersensitivity.

SECTION 4 – FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.
Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.
Skin: Remove by wiping, followed by washing with soap and water or with a waterless land cleaner.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability: Not Available
Extinguishing Media: Foam, CO₂ or Dry Chemical –Do not use jet water stream
Flash Point: (COC) °F (°C): 430 (221)
Explosive Properties: LEL:0.9% UEL: 7%
Hazardous Combustion Products: Not Available
Protective Fire Fighting Gear: Self contained breathing apparatus

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spillage: Scoop up excess, wipe down affected area and pick up residue with clay, pumice, etc., to avoid walking hazard.
Environmental Precautions: Do not allow to enter waterways or drains.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures: No special handling precautions necessary.
Storage Requirements: Store in a cool, well ventilated place. Prefer under 125°F.
Engineering Controls: Not Known

MATERIAL SAFETY DATA SHEET

Molybdenum Disulfide Petrolatum MIL-PRF-83483 Con't

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required.
Hand Protection: Protective gloves for hypersensitive persons.
Eye Protection: Protective glasses if applied to moving parts.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Dark Gray Paste	Odor: Light Petroleum	Vapor Pressure: Not Available
Specific Gravity: Not Available	Odor Threshold: Not Determined	Vapor Density: >5
VOC: 0.0 100% solid by weight	pH: Neutral	Solubility in Water: Not readily soluble
Boiling Range Point: <600° F	Density: 1.46 (g/cm ³)	Autoignition Temp: >500°F (260°C)
Melting Point: 130° F (54°C)	Evaporation Rate: Butyl Acetate <0.01	Flammability: Not flammable at ambient
Freezing Point: Not Available temperatures	Percent Volatiles: nil	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable Chemically stable under normal conditions.
Conditions to Avoid: Oxidizing agents
Materials to Avoid: Oxidizers
Hazardous Decomposition Products: Not Known
Hazardous Polymerization: Will not occur

SECTION 11 – TOXICOLOGY INFORMATION

Exposure Limit of Material: See Section 2
Teratogenicity, Embryotoxicity and/or Fetotoxicity: Not Available
Mutagenicity: Not Available
Effects of Long-Term (Chronic) Exposure: Not Known
Carcinogenicity: None NTP: N/A IARC: N/A OSHA: N/A

SECTION 12 – ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely.
Tests conducted in 1990 at levels up to 750 mg/l powdered MoS² resulted in 0 mortality in rainbow trout (*Salmo Qairdneri*).

SECTION 13 – DISPOSAL CONSIDERATION

Consult federal, state and local regulations for disposal of petroleum products.

SECTION 14 – TRANSPORTATION INFORMATION

Sea Transport (IMDG & IMO) Classification: Non hazardous
Air Transport (ICAO & IATA) Classification: Non hazardous
Land and Rail (ADR/RID) Non hazardous DOT Classification: Non hazardous UN No. Non hazardous
CLASS UN PG PLACARDS: None

SECTION 15 – REGULATORY INFORMATION

40CFR Part 372(SARA Sec 313): None **R Phrases:** R22 harmful if swallowed **SARA 311/312:** none
WHMIS Not Controlled Canadian DSL: all components listed **CERLA:** Nonhazardous **S Phrases:** Non applicable as known

SECTION 16 – OTHER INFORMATION

Do not reuse containers. Keep out of each of children.

This M.S.D.S and the information it contains is offered to you in good faith as accurate. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

HMIS SYMBOL

HEALTH	1
FLAMABILITY	1
REACTIVITY	1
PPI	NR

NFPA SYMBOL

