

MARINE-MOLY™

MOLYBDENUM DISULFIDE PASTE

DESCRIPTION

MARINE-MOLY™ is a specially formulated Molybdenum Disulfide (MoS₂) marine lubricating paste that provides a low friction shield by "plating" to metal surfaces to reduce bearing temperature, protect working parts, prevent galling and heat freeze. Very tenacious, it may be applied by brush or spatula to hot surfaces without running or dripping off.

MARINE-MOLY is extremely resistant to water, withstands extreme weather elements and helps prevent corrosion on metal exposed to water, steam, salt spray, etc. **MARINE-MOLY** has a 300,000 psi film strength.

- Lead Free
- Service rating: -300°F (-185°C) to 750°F (400°C)
- Water Resistant
- Nonmelting
- Contains Moly
- Color - Black

APPLICATIONS

Highly Opened Gears
Loading Racks & Arms
Marine Transmission Gears

Open Spur Gears
Sliding Bases

PRODUCT CHARACTERISTICS

Color	Black
Penetration (ASTM D-217)	275 - 305
Density (lb/gal)	8.76
Specific Gravity	1.05
Flash Point (ASTM D-92)	>550°F (288°C)
Shell 4-Ball (ASTM D-2596)	
Weld Point, kg	315
Load Wear Index	66.21
Wear Scar (ASTM D-2266)	0.617
Dropping Point (ASTM D-566)	None
Thickener Type	Clay
Base Oil Type	Petroleum
Copper Strip Corrosion (ASTM D-4048)	1B
Water Spray Off Resistance (ASTM D-4049)	<40%

PACKAGING

Code No.	Container Size	Container
65005	1 lb.	Plug Top can
65041	12 oz.	Aerosol

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

CORPORATE LOCATIONS

Houston, Texas—World Headquarters

Maidenhead, England

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

I Product Name: MARINE MOLY™ Chemical Family: Petroleum based lubricating anti-seize and anti-seize compound Use: Equipment lubrication and assembly compound.	Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200 Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300
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Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum oil	64742570/64742525	60-100	Oil mist TWA-5mg/M ³ 10mg/M ³	N/A	STEL: 10mg/M ³
Nonhazardous Blend	1317335/68953582 68411461	20-30		10mg/M ³	UN
Hydrocarbon Propellant (aerosol only)	68476857	15-25	1000 ppm	1000 ppm	UN

III Main Hazards—Health Effects
Eyes: May cause irritation. **Inhalation:** Viscous nature may block breathing passages if inhaled. **Ingestion:** May cause diarrhea.
Skin: Possible rash for persons with persensitivity.

IV
Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. **Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help. **Ingestion:** Wash out mouth immediately. Consult physician. **Skin:** Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

V
Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. **Unsuitable Extinguishing Media:** Water jet.
Protective Equipment for Fire fighting: Self-contained breathing apparatus.

VI
Personal Precautions: Wear gloves & protective overalls. **Environmental Precautions:** Do not allow it to enter drains. **Spillage:** Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

VII
Handling: No special handling precautions necessary. **Storage:** Do not store at elevated temperatures.

VIII
Respiratory Protection: None needed. **Hand Protection:** Protective gloves for hypersensitive persons. **Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Overalls.

IX
Physical State: Semisolid paste **Color:** Black **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** >700 (371)
Melting Point °F (°C): None **Flash Point (COC) °F (°C):** 560 (293) **Propellant Flash Point °F (°C):** 76 (-60) **OAR Value:** 5 (aerosol)
Autoignition Temperature °F (°C): >680 (360) **Explosive Properties:** LEL: 0.9% UEL: 7% **Evaporation Rate (Butyl Acetate):** <0.01
Partition Coefficient (Log Pow): N/A **Vapor Pressure (kPa):** <0.01 **Percent Volatiles:** Nil **Density (g/cm³):** 1.06
Flammability: Not flammable at ambient temperatures (aerosol only). **Oxidizing Properties:** None **Water Solubility:** Nil **Vapor Density:** >5

X
Stability: Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition & extreme temps. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides.

XI
Acute Toxicity: Not known. **Irritancy—Skin:** Very mild. **Skin Sensitization:** Not known. **Subacute/Sub-chronic Toxicity:** Not known.
Genotoxicity: None known. **Chronic Toxicity:** None known. **California Prop 65:** N/A **Carcinogen:** NTP: No **IARC:** No **OSHA:** No
EC Class (67/548/EEC): No **Allergens:** None known. **LC-50:** >2000mg/kg-(extrapolated from component data) **LD-50:** N/A

XII
Possible Effects: May generate oil fractions that could act as a marine pollutant, but is unlikely.
Behavior: Relatively well behaved. Bioaccumulation potential nil. **Environmental Fate:** Highly unlikely to cause notable contamination.


XIII
Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner—see Product Disposal section above. Pails with plastic liner—pail may only be disposed of via standard waste disposal services, recycled or reused. Liner—see Product Disposal section above.

XIV
Bulk - Not classified as hazardous for transport. **D.O.T.:** Aero - Consumer Commodity ORM-D **UN No.:** Aero - 1950
Air Transport (ICAO & IATA): Aero - hazardous-pressurized container **Sea Transport (IMO & IMDG):** Aero - UN1950, Class 2.1
Road & Rail Transport (ADR/RID): Aero - Aerosols, Class 2

XV
Labeling Information: None needed **EC Annex 1 Classification:** Not Applicable. **R Phrases:** R22—harmful if swallowed.
S Phrases: None applicable, as known. **Ozone Depleting Chemicals:** Not applicable. **TSCA:** All components are listed.
WHMIS (Canada): Not controlled. **Canadian DSL:** All components listed. **SARA 311/312:** None **TSCA 12B Components:** None
40 CFR Part 372 (SARA Section 313): N/A **CERCLA:** Nonhazardous **RCRA Hazard Class:** Nonhazardous

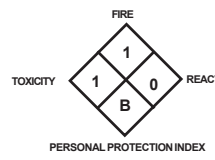
XVI
 SDS first issued. SDS data revised. **New Jersey Right To Know:** See Section II

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: January 3, 2008

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LEGEND	
I.	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
II.	COMPOSITION INFORMATION ON INGREDIENTS
III.	HAZARDS IDENTIFICATION
IV.	FIRST AID MEASURES
V.	FIRE FIGHTING MEASURES
VI.	ACCIDENTAL RELEASE MEASURES
VII.	HANDLING AND STORAGE
VIII.	EXPOSURE CONTROL/PERSONAL PROTECTION
IX.	PHYSICAL AND CHEMICAL PROPERTIES
X.	STABILITY AND REACTIVITY
XI.	TOXICOLOGICAL INFORMATION
XII.	ECOLOGICAL INFORMATION
XIII.	WASTE DISPOSAL
XIV.	TRANSPORT INFORMATION
XV.	REGULATORY INFORMATION
XVI.	OTHER INFORMATION

HMIS SYMBOL	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	B



HMIS SYMBOL	
HEALTH	1
FLAMMABILITY	4
REACTIVITY	0
PPI	B

