MOLY PETROLATUM
ANTI-SEIZE COMPOUND FOR AIRCRAFT SPARK PLUGS

DESCRIPTION

JET-LUBE's MOLY PETROLATUM anti-seize is manufactured to conform to the requirements of Military Specification MIL-T-83483B. The intended use of this compound is to prevent seizing during assembly or disassembly of aircraft engine spark plugs and threaded fasteners and fittings at temperatures below 800°F. ***MOLY PETROLATUM*** is the ideal anti-seize thread compound where parts are engaged with components fabricated from similar or dissimilar metals. It is also intended to provide corrosion protection to the metal surfaces below 800°F. Since this compound contains MoS_2 which at higher temperature conditions (1000°F and above) it may induce corrosion of fastener or contiguous materials. Accordingly, its use at higher temperatures should be avoided. For high temperature applications, ***NUCLEAR NONMETALLIC*** should be utilized.

Care shall be taken against the application of too heavy a coating to the components. A thin coating is all that is required to prevent seizing. In the case of blind holes, the application of an excessive amount of the compound may prevent proper seating of the components. Under low temperature conditions this compound hardens and is difficult to apply. It should be kept at room temperature for twenty-four to forty-eight hours prior to use.

Due to the high evaporation rate of the petrolatum constituent, this compound is not suitable for use on the threaded or unthreaded components of such equipment as optical instruments where the vapors may adversely effect associated components, e.g., lenses, prisms and other optical elements.

- Lead Free
- Lowers friction, reduces wrench torque.
- Permits reuse of fittings, saves stud, bolt and nut replacement.
- Meets MIL-PRF-83483C (USAF)
- Water resistant.
- National Stock Number 8030-00-087-8630 (1 lb. cans)

APPLICATIONS

Gaskets	Fasteners	Spark Plugs
Slides	Frame Bolts	Valve Stems
Flange Faces		

PRODUCT CHARACTERISTICS

Thickener	Wax
Fluid Type	Mineral Oil
Color	Black-Blue Black
Melting Point (ASTM D-127)	130°F
Specific Gravity	1.45
Density (lbs./gal.)	12.1
Additive Type (ASTM TYPE D-520)	MoS_2
Flash Point (ASTM D-92)	480°F (249°C)
Autoignition Point (CALCULATED)	>500°F (260°C)
NLGI Grade	2 - 3 approx.
K-Factor	
High Chrome Alloys @ 60,000 PSI Contact Stress	
Penetration @77°F (ASTM D-217)	170 - 260
Copper Strip Corrosion (ASTM D-4048)	1B
Service Range*	-65°F (-54°C) to 800°F (427°C)

* Based upon the properties of the Molybdenum Disulfide.

PACKAGING

Code No.	Container Size	Container
26203	1 lb.	Plug Top Can

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 **Edmonton, Canada**

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HOUSTON, TX 77028

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www.jetlube.com

INDUSTRIAL INDUSTRIAL INDUSTRIAL INDUSTRIAL

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

I

Product Name: ***MOLY PETROLATUM ANTI-SEIZE***
Chemical Family: Petroleum based lubricating grease.
Use: Equipment Lubrication and MIL T-83483-B Applications.

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

II

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	8009038/1317335	100	UN	UN	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 hypersensitivity.

IV

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. **Inhalation:** Clear air passage and seek medical help if respiratory difficulty continues. **Ingestion:** 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 pick up remaining residue with diatomaceous earth to avoid a walking hazard.

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: Semi-solid paste **Color:** Opaque Black **Odor:** Petroleum **pH:** Neutral **Boiling Range/Point °F (°C):** <600 (316)
Melting Point °F (°C): 133 (56) **Flash Point (COC) °F (°C):** 430 (221) **Autoignition Temperature °F (°C):** >500 (260)
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/cm^3):** 1.46 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** Slight, not readily soluble **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 & sulphur. Residue mainly comprised of soot and mineral.

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 Classification (67/548/EEC): No **Allergens:** None known. **LC-50:** >2000 mg/kg (extrapolated from component data). **LD-50:** N/A

XII

Possible Effects: May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely.
Behavior: Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

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

Not classified as hazardous for transport. **D.O.T.:** Nonhazardous **UN No.:** Nonhazardous **Air Transport (ICAO & IATA):** Nonhazardous
Sea Transport (IMO & IMDG): Nonhazardous **Road & Rail Transport (ADR/RID):** Nonhazardous

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. **40 CFR Part 372 (SARA Section 313):** None
CERCLA: Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None **TSCA 12B Components:** None

XVI

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

Signature: Donald A Oldiges
Prepared by: Donald A. Oldiges
Date Issued: April 6, 2009

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	NR

NFPA SYMBOL