



# 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<sub>2</sub> which at higher temperature conditions (1000°F and above) 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 affect 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  
Slides  
Flange Faces

Fasteners  
Frame Bolts

Spark Plugs  
Valve Stems

### PRODUCT CHARACTERISTICS

Thickener	Wax
Fluid Type	Mineral Oil
Color	Black-Blue Black
Melting Point (ASTM D-127)	130°F
Density (lb/gal)	12.1
Specific Gravity	1.45
Additive Type (ASTM TYPE D-520)	MoS <sub>2</sub>
Flash Point (ASTM D-92)	480°F (249°C)
Autoignition Point (CALCULATED)	>500°F (260°C)
NLGI Grade	2 – 3 approx.
Nut-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.

**For package types and part numbers contact [sales@jetlube.com](mailto:sales@jetlube.com).**

### LIMITED WARRANTY

For warranty information please visit

[http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)