



Bringing Quality & Excellence

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# TECHNICAL DATA SHEET

## MOLY Petrolatum

### DESCRIPTION

MOLY PETROLATUM ANTI-SEIZE is manufactured to conform to the requirements of Military Specification MIL-T-83483C, 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 430°C (806°F). 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 430°C (806°F). Since this compound contains MoS2 which at higher temperature conditions (540°C (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 used.

Care should be taken against the application of too heavy 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 1 -2 days prior to use. Due to the high evaporation rate of the petrolatum content, this product is not suitable for use on the threaded or unthreaded components of equipment such as optical instruments where vapours may adversely affect associated components such as lenses or other optical items.

### ADVANTAGES

- Lead free.
- Lowers friction and reduces torque on spanners.
- Permits re-use of fittings, minimising the need to replace studs, bolts and nuts.
- Meets MIL-T-83483C.
- Water resistant.

### APPLICATIONS

Gaskets, fasteners, spark plugs, slides, frame bolts, valve stems and flange faces.

US National Stock Number: 8030-00-087-8630  
 (1 lb (450g) cans)

### PRODUCT CHARACTERISTICS

Service range: -54°C (-65°F) to 427°C (800°F)  
 Fluid Type: Mineral Oil  
 Colour: Black

Melting Point (ASTM D-127):	56°C (133°F)
Specific Gravity:	1,45
Flash Point (ASTM D-92):	249°C (480°F)
Additives:	MoS2
Penetration @25°C (77°F) (ASTM D-217):	170-260
NLGI Grade:	2-3 Approx.
Copper Strip Corrosion (ASTM D-4048):	1B
Autoignition Point (CALCULATED):	>260°C (500°F)

### PACKAGING

Code	Net contents	Container
59609810	500g	Tin

### LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited 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 (UK) Limited. 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 (UK) Limited shall not be liable for incidental or consequential damages.



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