



# GRAPHITE PETROLATUM

## ANTI-SEIZE COMPOUND FOR AIRCRAFT SPARK PLUGS

### DESCRIPTION

**GRAPHITE PETROLATUM** anti-seize is manufactured to conform to the requirements of SAE-AMS-2518 (formerly MIL-T-5544C). 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 900°F (482°C).

This product contains graphite, which may promote corrosion of aluminum, ferrous, magnesium, zinc or cadmium alloys or plated surfaces and should not be used in contact with these metals where galvanic corrosion conditions exist.

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 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 twenty-eight hours prior to use. This product is an electrical conductor. Apply to spark plug threads only. **GRAPHITE PETROLATUM** must not come in contact with spark plug terminals or electrodes.

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.

- Lowers friction, reduces wrench torque
- Permits reuse of fittings, saves stud, bolt and nut replacement
- Meets SAE-AMS-2518 / MIL-T-5544C
- Water resistant
- NATO Stock Number 9150-99-910-0528 (500 g can)
- National Stock Number 8030-01-044-5034 (1 lb. can)\*

\*Order under NATO stock number. It contains 45 grams more than GSA/DLA NSN.

### APPLICATIONS

- |             |              |
|-------------|--------------|
| Gaskets     | Spark Plugs  |
| Frame Bolts | Flange Faces |
| Fasteners   | Slides       |
| Valve Stems |              |

### PRODUCT CHARACTERISTICS

<b>Thickener</b>	Wax
<b>Fluid Type</b>	Mineral Oil
<b>Color</b>	Black
<b>Melting Point (ASTM D-127)</b>	130°F
<b>Specific Gravity</b>	1.25
<b>Density (lb. /gal)</b>	10.4
<b>Additive Type</b>	Graphite
(FEDERAL TYPES SS-G-659A)	
<b>Flash Point (ASTM D-92)</b>	249°C (480°F)
<b>Autoignition Point (CALCULATED)</b>	>260°C (500°F)
<b>NLGI Grade</b>	2 – 3 approx.
<b>Penetration @ 77°F (ASTM D-217)</b>	170 – 260
<b>Copper Strip Corrosion</b>	1B
(ASTM D-4048)	
<b>K-Factor</b>	0.13
Carbon Steel Alloy @ 60,000 PSI Contact Stress	
<b>Service Range</b>	-54°C (-65°F) to 482°C (900°F)
<b>Electrical Resistivity</b>	10 <sup>3.4</sup>
Ohm -cm @0.1 mm	

### PACKAGING

Code No.	Containers Size	Container
27203	500g	Plug Top Can

**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)

You can also email us at [sales@jetlube.com](mailto:sales@jetlube.com) or write to the Sales Department at the address below.