



Bringing Quality & Excellence

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# TECHNICAL DATA SHEET

## GRAPHITE Petrolatum

### DESCRIPTION

GRAPHITE PETROLATUM ANTI-SEIZE is manufactured to conform to the requirements of Military Specification SAE-AMS-2518 (formerly MIL-T-5544C). The intended use of this compound is to prevent seizing during assembly or disassembly of spark plugs and other similar components. The graphite gives the petrolatum the best electrical conductivity possible, making it a good choice for fasteners and components that provide grounding or form electrical connections. For the same reason keep it clear of insulators or a short circuit may result. Care should 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 1 -2 days 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 equipment such as optical instruments where vapours may adversely affect associated components such as lenses or other optical items. NATO Stock No 8030-01-044-5034 (450g cans) JSD & NATO Code: ZX-13

### ADVANTAGES

- Excellent electrical conductivity.
- Lead free.
- Lowers friction and reduces torque on spanners.
- Permits re-use of fittings, minimising the need to replace studs, bolts and nuts.
- Meets SAE-AMS-2518 (ex-MIL-T-5544C).
- Water resistant.

### APPLICATIONS

Spark plugs, fasteners, batteries, lugs and cables, slides, fuse clips, frame bolts, various metal connections, valve stems and flange faces.

### PRODUCT CHARACTERISTICS

Service range:	-54°C (-65°F) to 482°C (900°F)
Thickener:	Wax
Fluid Type:	Mineral Oil
Colour:	Dark Grey/Black
Melting Point (ASTM D-127):	56°C (133°F)
Specific Gravity:	<1,0
Additive Type:	Graphite

Coefficient of Friction:	~0,1 (Steel)
Flash Point (ASTM D-92):	249°C (480°F)
Autoignition Point (CALCULATED):	>260°C (500°F)
NLGI Grade:	2 - 3 Approx.
Penetration @25°C (77°F) (ASTM D-217/IP50):	170 - 260
Copper Strip Corrosion (ASTM D-4048):	1B

### PACKAGING

Code	Net contents	Container
13031800	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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