

# JET-LUBE<sup>®</sup> ZINC DUST PETROLATUM

## ANTI-SEIZE COMPOUND FOR ALUMINUM & ITS ALLOYS

### DESCRIPTION

JET-LUBE's ZINC DUST PETROLATUM is manufactured to conform to the requirements of Military Specification CID (Commercial Item Description) A-A-59313. The intended use of this compound is to prevent seizing during assembly or disassembly of threaded or unthreaded components fabricated from aluminum or its alloys, engaged with components fabricated from similar or dissimilar metals. It is also intended to provide corrosion protection to the metal surfaces.

Care shall be taken against applying 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.

- Prevents galvanic corrosion.
- Lowers friction, reduces wrench torque
- Permits reuse of fittings, saves stud, bolt and nut replacement
- Meets Military Specification CID A-A-59313 (formerly MIL-T-22361 (Wep))
- Water resistant
- National Stock Number 8030-00-292-1102

### APPLICATIONS

- Gaskets
- Batteries
- Slides
- Aluminum Connections
- Flange Faces
- Fasteners
- Lugs & Cables
- Fuse Clips
- Frame Bolts
- Valve Stems

**Note: Not for use on Oxygen services.**

### PRODUCT CHARACTERISTICS

Thickener	Wax
Fluid Type	Mineral Oil
Color	Grey
Melting Point (ASTM D-127)	130°F
Specific Gravity	1.34
Density (lbs/gal)	11.2
Additive Type	Zinc Dust
(ASTM TYPE D-520)	
Flash Point (ASTM D-92)	480°F (249°C)
Autoignition Point	> 500°F (260°C)
(CALCULATED)	
K-Factor*	0.13
Carbon Steel Alloy @ 60,000 PSI Contact Stress	
*( $T = K \times D \times F$ ) where:	
<i>T = torque, K = nut factor, sometimes called the friction factor, D = bolt diameter, and F = bolt tension generated during tightening.</i>	
Penetration @ 77°F	160 - 280
(ASTM D-217)	
Copper Strip Corrosion	1B
(ASTM D-4048)	
Service Range**	-65°F (-54°C) to 788°F (420°C)

\*\*Based upon the properties of the metallic zinc.

**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.