

# NUCLEAR NONMETALLIC

High Temperature Anti-Seize Compound



## TECHNICAL DATA SHEET

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### DESCRIPTION

Jet-Lube **NUCLEAR NONMETALLIC** Anti-Seize Thread Lubricant is a premium quality product manufactured to exact standards in a certified ISO-9001 manufacturing and test facility. It contains chemically pure graphite and other solid boundary lubricants in a synthetic base grease. The graphite mineral silicates and synthetic base grease were carefully selected to ensure that critical contaminants such as sulphur, metals, halogens and leachable nitrates and nitrides would be held to the lowest practical limits.

**NUCLEAR NONMETALLIC** provides a matrix of solid lubricants that allows for more uniform coverage. The film strength of the synthetic base grease provides a shield against metal to metal contact preventing galling, seizure and heat freeze. This combination of solid lubricants was developed to protect steel, stainless steel and other proprietary alloys. The solid anti-seize lubricants are resistant to temperatures of up to 1,315°C (2,400°F).

**NUCLEAR NONMETALLIC** Anti-Seize Thread Lubricant does not contain ingredients that can poison reactor catalyst beds. It is formulated for use in Class 1, 2 and 3 nonwetted applications found in nuclear power plants and is suited for use in fossil fuel plants (certified test reports are available for each individual container). **NUCLEAR NONMETALLIC** conforms to the requirements of General Electric (specifications D50YP12 and D6Y28A1, Rev. 2, Appendix A of NEDE-31295p and NAVWEAINST 9210.36B and 10CFR Chapter 1, Parts 21 and 50, Appendix B).

### APPLICATIONS

Can be used extensively in nuclear and fossil fuel burning power-generating facilities on land and sea where certified products are required. Excellent for use on bolts, fittings, slides, valve stems, gaskets and other similar applications. It can also be used in other industries such as pulp and paper, steel mills, etc. where high purity, nonmetallic anti-seize lubricants are required.

#### OPERATING RANGE

-54°C to 1,315°C (-65°F to 2,400°F)

### CHARACTERISTICS

- Metal Free
- Prevents seizure up to 1,315°C (2,400°F)
- Exceeds all purity level standards for nuclear products
- Traceability with 100% testing prior to packaging
- Lowers breakout torque
- Conforms to MIL-PRF-907F
- Not for use in oxygen service
- Water resistant

### PRODUCT SPECIFICATIONS

Thickener	Complex Soap
Fluid Type	Synthetic
Color / Appearance	Smooth Black Paste
Dropping Point (ASTM D-2265)	>260°C (500°F)
Specific Gravity, Typical	1.13
Density (kg/liter), Typical	1.13
Copper Strip Corrosion (ASTM D-4048)	1B Max
Shell 4-Ball (ASTM D-2596)	400 Typical
Coefficient of Friction	0.09

### PACKAGING

Inventory Code	Container Size	Container
14902	1/2-Lb.	Brush-Top Can

### LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. 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 of Canada Ltd.

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 of Canada Ltd. shall not be liable for incidental or consequential damages.

