



# TEMP-GUARD

## VALVE SEALANT FOR HI-TEMP SERVICE

### DESCRIPTION

**JET-LUBE® TEMP GUARD** Valve Sealant is a premium non-melting, synthetic based sealant and lubricant for use in a wide variety of valve types utilized in high temperature services.

**JET-LUBE® TEMP GUARD** is formulated using an inorganic thickener in a synthetic high viscosity base fluid with a blend of graphite and molybdenum disulfide. The formula is fortified with antioxidants and rust inhibitors to augment the film forming and antioxidant properties of the synthetic base fluid.

**JET-LUBE® TEMP GUARD** is unaffected by acids, oils, carbon dioxide, hydrogen sulfide, glycols, caustics, water, steam, alcohols, and other similar solvents. It provides excellent fluid film lubrication even under extreme pressure. The blend of graphite and molybdenum disulfide provide solid film lubrication at extreme temperatures where the base fluid is lost. The non-soap inorganic thickener provides excellent chemical resistance while maintaining mechanical stability.

**JET-LUBE® TEMP GUARD** provides optimum sealability, lubricity, and torque reduction.

- Synthetic Base
- Injectable
- Oxidation Resistant
- Seals and Lubricates
- Nontoxic
- Reduces Torque
- Synergistic Blend of Graphite and MoS<sub>2</sub>

### APPLICATIONS

**JET-LUBE® TEMP GUARD** is recommended for use in oilfield, refining, petrochemical plants, power plants, chemical plants, and marine applications where chemical resistance and mechanical stability at high temperatures are required.

### SERVICE RATING

-25° F (-32° C) to 600° F (316° C)

### PRODUCT CHARACTERISTICS

|   |                            |
|---|----------------------------|
| Appearance  | Paste                      |
| Color   | Gray to Black              |
| Thickener   | Inorganic                  |
| Cone Penetration, mm x 10 <sup>-1</sup><br>(ASTM D-217)       | 210 – 240                  |
| Density (lb/gal)  | 8.4                        |
| Specific Gravity  | 1.0 Typical                |
| Flash Point, °F (°C)<br>(ASTM D-92)                           | > 600 (316)                |
| Dropping Point<br>(ASTM D-2265)                               | None                       |
| Oil Separation Wt. %<br>(FTMS 791.B M 321.2)<br>(ASTM D-6184) | 3.0 max.                   |
| Temperature Range, °F (°C)                                    | -25 to 600<br>(-32 to 316) |
| % Loss after 24 hours<br>@ 450° F (232° C)                    | < 5                        |

**Note: Not for use with oxygen for strong oxidizers such as hydrogen peroxide or sulfuric acid.**

**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.