

# SEAL-GUARD™

## PREMIUM THREAD COMPOUND

### DESCRIPTION

**SEAL-GUARD™** represents the next generation in thread compound technology and design. Just as pipe materials and connections are engineered for specific applications and field service requirements, so must thread compounds be formulated to meet critical performance requirements. The thread compound must be tailored to the connection design, material (alloy), operating conditions, and environmental and occupational health restrictions.

**SEAL-GUARD™** has been specifically formulated to meet the performance requirements of proprietary, metal-to-metal seal and high-interference connections designs utilizing today's high performance materials, which include "super" chrome and high-alloy steels. The formulation uses a tightly controlled small particle size distribution and may not provide optimum sealability on buttress thread forms.

**SEAL-GUARD™** has been formulated using an advanced base grease and additive technology (**CZ-EX® PLUS**) with enhanced high and low strength polymers and innovative solid lubricants. The result is superior lubrication under high loads with galling resistance equivalent to heavy metal based compounds in a totally metal free formulation. This cutting edge technology provides a high affinity to metal surfaces with a relatively low added solids content. This formula has a large percentage of submicron particles that create a film which gives consistent frictional performance without restricting proper engagement of the connection.

### ADVANTAGES

- Environmentally Safe, and Metal Free
- Small Particle Solids to Accommodate Premium Connection Design Requirements
- Frictional Properties Consistent With **API MODIFIED**
- High Film Strength Protects Against Galling
- Ideal For High Chrome Connections
- Sticks to Wet or Oily Threads
- H<sub>2</sub>S Inhibited
- Provides 6 to 9 Months Storage Protection on Properly Prepared Connections

### APPLICATIONS

**SEAL-GUARD™** is recommended for use on mechanical seal and 8-round connections, flow lines, nuts, bolts, etc. Can be utilized on jacking systems.

### SERVICE RATING

-29° C (-20° F) to 232° C (450° F)

### PRODUCT CHARACTERISTICS

Color	Black
Thickener	Calcium Sulphonate Complex
Fluid Type	Petroleum
Cone Penetration, mm X 10 <sup>-1</sup> (ASTM D-217)	325 - 345
Specific Gravity	1.24 - 1.28
Density (lb./gal)	10.3 - 10.7
Flash Point, °C (°F) (ASTM D-92)	> 288 (550)
Dropping Point °C (°F) (ASTM D 2265)	> 232 (450)
4-Ball, Weld Point, kgf (ASTM D 2596)	≥620
Service Range, °C (°F)	-29 to 232 (-20 to 450)
Friction Factor* Relative to API MODIFIED	1.0

\* The frictional properties can vary between premium connection designs. Test the torque required for proper engagement prior to running or consult the connection manufacture.

**SEAL-GUARD™** is nontoxic, even in a marine environment, as evidenced by test results from the California Hazardous Waste Assessment Bioassay and its "D" rating in the North Sea Guidelines (OSPAR).

### PACKAGING

Code No.	Size	Container
JA14423	5 Kg.	Plastic Pail
JA14415	20 Kg.	Metal Pail

### LIMITED WARRANTY

*Jet-Lube (UK) Ltd makes the Limited Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Ltd materials and workmanship.*

*This Limited 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) Ltd*

*The sole remedy for breach of the Limited Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Ltd shall not be liable for incidental or consequential damages.*

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