



# SEAL-GUARD™ PREMIUM THREAD COMPOUND

## ENVIRONMENTAL

Ospar Commission – Harmonized Offshore Chemical Notification Format (HOCNF)

CLASSIFICATION: “Red” rating for Norway  
CLASSIFICATION: “D” for The United Kingdom and The Netherlands

## DESCRIPTION

**JET-LUBE® 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.

**JET-LUBE® SEAL-GUARD™** has been specifically formulated to meet the performance requirements of proprietary, metal-to-metal seal, and high interference connection designs utilizing today’s high performance materials including “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.

**JET-LUBE® 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.

- 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
- H<sub>2</sub>S Inhibited
- Sticks to Wet or Oily Threads
- Provides 6 to 9 Months Storage Protection on Properly Prepared Connections

## APPLICATIONS

**JET-LUBE® SEAL-GUARD™** is recommended for use on premium mechanical seal an 8-round connection, flow lines, nuts, bolts, etc. Can be utilized on jacking systems.

## SERVICE RATING

-20°F (-29°C) to 450°F (232°C)

## PRODUCT CHARACTERISTICS

Color	Black
Thickener	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 (ASTM D-92)	>550°F (288°C)
Dropping Point (ASTM D-2265)	>450°F (232°C)
4-Ball, Weld Point, kgf (ASTM D 2596)	≥ 620
Service Range	-20°F (-29°C) to 450°F (232°C)
Friction Factor*	1.0
	Relative to API MODIFIED

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

**JET-LUBE® SEAL-GUARD™** has been tested for California Code of Regulations – Title 22, Chapter 30, Article II and is not classified as a hazardous waste. It is nontoxic, even in a marine environment, as evidenced by test results from the California Hazardous Waste Assessment Bioassay and it’s “D” rating in the North Sea Guidelines (OSPAR).

**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.