



# SEAL-GUARD ECF<sup>®</sup>

## PREMIUM THREAD, TUBING & CASING RUNNING COMPOUND BIODEGRADABLE UK/NL 'E', NORWAY 'YELLOW' CLASSIFICATION

### DESCRIPTION

**SEAL-GUARD ECF<sup>™</sup>** represents the next generation in thread compound technology and design. Just as oilfield pipe materials and connections are engineered for specific applications and field service requirements, so thread compounds must be formulated to meet critical performance requirements. The thread compound must be tailored to the connection design, the type of alloy, operating conditions, environmental legislation and Health & Safety regulations.

**SEAL-GUARD ECF** has been specifically formulated to meet the performance requirements of proprietary, metal-to-metal seal and high interference connection designs using today's high performance materials, which include "super" chrome and high alloy steels.

**SEAL-GUARD ECF** advanced base grease and additive technology is further enhanced with 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 with ready bio-degradability.

This cutting-edge technology provides a high affinity to metal surfaces with relatively low solids content, creating a film that gives consistent frictional performance without restricting proper engagement of the connection contact surfaces regard-less of connection design. It also has the distinction of being the first casing compound to achieve a substitution warning-free HOCNF rating as well as an 'E' classification in the UK sector, simplifying the completion of PON15B applications.

In order to achieve this rating, a thread compound must degrade by more than 60% in the first 28 days of exposure to sea-water.

### ADVANTAGES

- Biodegradable.
- Metal free
- Frictional properties similar to API Mod.
- High film strength to protect against galling.

- Low solids content to accommodate premium connection design requirements.
- Ideal for use on high chrome connections.
- H<sub>2</sub>S Inhibited.
- Sticks to wet or oily threads.
- Excellent for use on nuts, bolts or other threaded fasteners

### APPLICATIONS

**SEAL-GUARD ECF** is recommended for use on premium connections, flow lines, nuts, bolts, etc.

### PRODUCT CHARACTERISTICS

<b>Service Range:</b>	-29°C (-20°F) to 260°C (500°F)
Thickener	Calcium sulphonate complex
Fluid Type	Petroleum and vegetable
Dropping Point (ASTM D-566)	>232°C (450°F)
Specific Gravity	1.22
Penetration @25°C (IP50/ASTM D-217)	290 - 310
Weld Point, kgf	>620
4-Ball (ASTM D-2596)	
Flash Point (ASTM D-92)	>232°C (450°F)
Friction Factor*	1.0
(Relative to API RP 5A3)	

Shelf Life: Five years from manufacture date.

Stir Well Before Using

\* The frictional properties can vary from one premium connection design to another. As such, one should test the torque required for proper engagement prior to running, or consult the connection manufacturer.

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### PACKAGING

Code No.	Size	Container
JA20923	4.5kg	Plastic pail
JA20915	20 kg	Metal pail
JA20929	204kg	Barrel

### LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited 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 (UK) Limited. 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 (UK) Limited shall not be liable for incidental or consequential damages

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