

DESCRIPTION

KORR-GUARD™ is a water displacing, specialized formula utilizing a unique approach to rust and corrosion resistance. Many of the corrosion resistant greases on the market are typically lithium, aluminum and anhydrous calcium and the resulting grease is treated with 2-5% rust inhibitor. The rust inhibitor is oil soluble and surface active, wanting to wet out on the steel surface. Over a time, the oil separates and the low additive content depletes. **KORR-GUARD** actually complexes the rust inhibitor in high quantity as a component in the thickener. The thickener holds the rust inhibitor in place so additive depletion becomes a less significant factor in long term storage.

The chemical complexing of the rust inhibitor into the thickener structure also results in a significant yield reduction. The thickener content with this system ranges from 19 - 25% depending upon the intricate processing variables involved. In a grease, it is the thickener/soap which adheres to metal, not the oil. Therefore, the greater quantity the thickener content, the longer the product will last.

Under current **REACH Registration Guidelines**, Jet-Lube LLC - **KORR GUARD™** is classified as a mixture not a substance, and thus does not require individual registration. The calcium thickeners, used in the manufacturing process of Jet-Lube - **KORR GUARD™** grease, are presently classified as exempt under the current REACH registration guidelines. All other materials and oils used in the product are either currently or in the process of being REACH registered by their manufacturers and suppliers. In conclusion, Jet Lube LLC - **KORR GUARD™** is REACH compliant as it is composed of blended additives dispersed in a grease matrix compounded from exempt calcium compounds, and REACH registered oils and additives

APPLICATIONS

A protective grease-like coating to protect equipment and threaded pipe ends against rust and corrosion. On drill string connections, removing the thread protector will leave less than 5% storage compound on the connection. It is still a good practice to wipe off any heavy deposits prior to applying compound to as not to dilute the solid contents. Residual films do not have to be completely removed. There will not be a base grease compatibility issue under these circumstances, except clay-based greases.

PRODUCT CHARACTERISTICS

Thickener	Complex
Fluid Type	Petroleum & Synthetic
Color	Olive Green
Dropping Point (ASTM D-2265)	≥392°F (200°C)
Specific Gravity	.94
Density (lb/gal)	7.85
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	0-1
Penetration @77°F (ASTM D-217)	340 -375
Salt Fog/Spray Resistance (ASTM B117)	
5% NaCl , 100°F, hours	>2000
20% NaCl, 100°F, hours	>750
Brookfield Viscosity #6 @ 10rpm	42,000-75,000
Centipoise, typical	
Service Temperature	-20°F (-29°C) to 425°F (218°C)

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

APPLICATION TECHNIQUE

Brush On	0°F(18°C) to 150°F (66°C)
Spray On	50°F(10°C) to 150°F (66°C)

For package types and part numbers

www.jetlube.com/resources/product-index/

Limited Warranty

www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf