

KORR-GUARD™

Storage Compound



TECHNICAL DATA SHEET

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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 petroleum base oils thickened with 3% to 9% soap. The soaps 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 time, the oil separates and the low additive content depletes. **KORR-GUARD** actually complexes a high quantity of rust inhibitor 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 soap structure also results in a significant yield reduction. Therefore, the soap requirement goes up significantly. The soap content with this system ranges from 25 - 40% depending upon the intricate processing variables involved. In a grease, it is the thickener/soap which adheres to metal, not the oil. Therefore, the higher the soap content, the longer the product will last.

KORR-GUARD is highly water resistant as a result of the high thickener and additive content. The beige amber color of **KORR-GUARD** contains no dyes. Dyes can be added, however, upon special request if large enough quantities are required.

KORR-GUARD is a semifluid product for ease in application onto the threads. It easily flows into the thread roots displacing moisture as the product "wets-out" onto the steel surface. **KORR-GUARD** is an NLGI "00" grade product with a cone penetration range of 400 to 430 mm x 10⁻¹. **KORR-GUARD** is also slightly over-based to protect against acid fume or oxidation. Petroleum oils oxidize to form carboxylic acids.

APPLICATIONS

A protective grease-like coating to protect equipment and threaded pipe ends against rust and corrosion.

PRODUCT SPECIFICATIONS

Thickener	Calcium Soap
Fluid Type	Petroleum & Synthetic
Color/Appearance	Amber
Dropping Point (ASTM D-566)	218°C (425°F)
Specific Gravity, Typical	1.0
Density (kg/liter), Typical	1.0
Flash Point (ASTM D-92)	>150°C (300°F)
NLGI Grade	00
Penetration @ 25°C (77°F) (ASTM D-217)	400 - 430
Salt Fog/Spray Resistance (ASTM 8117)	+200
20% NaCl @ 38°C (100°F), hours	>250
Service Temperature	-40°C to 149°C (-40°F to 300°F)

PACKAGING

Inventory Code	Container Size	Container
78823	1 Gallon	Pail
78816	5 Gallon	Pail
78829	50 Gallon	Drum



LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. 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 of Canada Ltd.

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 of Canada Ltd. shall not be liable for incidental or consequential damages.