



# 101EU

## FILM FORMING LUBRICANT

Made with LIQUILON®\*

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

### PRODUCT DESCRIPTION

101EU Film Forming Lubricant is a premium quality highly concentrated lubricant that resists the corrosive effects of downhole chemicals. 101EU is made with LIQUILON®, which enhances the lubricity and extreme pressure properties. LIQUILON® is unaffected by acids, caustics, downhole chemicals, and hydrocarbons including gasoline and solvents.

101EU is inert and thermally stable. The film forming properties of 101EU eliminates wear, guards against rust and corrosion, and prevents metal-to-metal contact thereby significantly reducing operating temperature. In many cases, the power (electricity) to operate is reduced. 101EU provides instant lubrication to equipment critical areas during start up.

### BENEFITS

- REACH Compliant
- Made with LIQUILON®
- Highly concentrated
- Eliminates wear
- Guards against rust and corrosion
- Prevents metal-to-metal contact
- Provides residual lubrication
- Seals wireline tools from the effects of downhole chemicals
- Ensures against galling and seizing during makeup of wireline tools
- Provides instant lubrication during start up
- Service temperatures 10°F to >400°F

### APPLICATION

101EU is recommended for use on O-rings, seal nipples, gaskets, packer plugs, and other downhole tool accessories to ensure against drying, cracking, and downhole contamination.

101EU is also recommended for application to wireline equipment and various downhole tools, where lubrication and corrosion resistance are vital. This lubricant will allow easy break-out and disassembly of downhole tools that have been subjected to adverse downhole chemicals.

### TYPICAL OBSERVATIONS

Type	Concentrated Film Forming Lubricant
Color	Green*
Texture	Smooth Paste
Consistency	Buttery
Active Component	LIQUILON®
Thickener	Bentone
Density, lb/gal @ 77°F (25°C)	7.70
Specific Gravity, @ 77°F (25°C)	0.922
Dropping Point,	
ASTM D-2265	>450°F (232°C)
Flash Point, ASTM D-92	>450°F (232°C)
Penetration, ASTM D-217	
Worked @ 77°F (25°C)	265–295
Base Oil Viscosity	
cSt, 40°C	174.0
cSt, 100°C	17.0
Corrosion Preventive Properties,	
ASTM D-1743 @ 125°F (51°C)	Pass
Water Washout Characteristics,	
ASTM D-1264 @ 100°F (37°C)	1.0%
Evaporation Loss,	
ASTM D-972 @ 210°F (98°C)	2.8%
Oil Separation,	
ASTM D-1742 @ 77°F (25°C)	Nil
Oxidation Stability, ASTM D-942	
@ 210°F (98°C) 72 Hrs. PSI Loss	6
Shelf Life (unopened container)	Two years

\* When exposed to UV light, the surface of this product may turn a brownish color. The color change will NOT affect the performance properties of this product.

