



Liquid-O-Ring® *

Your Super Center for over 1,000 top performance products serving industries worldwide.

101SYN

SYNTHETIC LUBRICANT CONCENTRATE Made with LIQUILON®*

Liquid-O-Ring®

- Anti-Seize Compounds
- Drill Collar and Tool Joint Compounds
- Extreme Temperature Compounds
- Fish Net Coatings
- Greases
 - Bearing
 - Food Grade
 - High Temp
 - Low Temp
 - Multi-Purpose
 - Specialty
 - Silicone
 - Synthetic
- Oils
 - Compressor
 - Cutting
 - Forging Die Lube
 - Gear
 - Hydraulic
 - Motor
 - Penetrating
 - Silicone
 - Torsion
 - Transmission
 - Treatment
- Oilfield Production Products
 - Pipe Storage Compounds
 - Lubricants
 - Sealants
 - Pump Packings
 - Thread Cleaner
 - Thread Compounds
 - Biodegradable
 - High Temperature
 - Arctic Grade
 - Thread Locking Compound
 - Thread Sealants
 - Valve Lubricants and Sealants
- Wireline Products
 - Protekto-Coat
- Internal and External Pipe Coatings
 - Low VOC
 - Biodegradable
- Corrosion Inhibitors
 - Speciality Items
- Cleaners and Degreasers

PRODUCT DESCRIPTION

101SYN Synthetic Lubricant Concentrate is a premium quality lubricant made with LIQUILON®*, which exhibits excellent low temperature properties, chemical inertness, and film forming capabilities. **101SYN** provides instant lubrication in the critical moments of start and stop service.

101SYN Synthetic Lubricant Concentrate is recommended where low temperature performance and chemical inertness is desired. **101SYN** may be applied to gear-reduction units, transmissions, conveyor systems, hydraulic equipment, chain drive units, and other equipment where gears may be present. **101SYN** may be used as is or added to conventional lubricants to provide improved lubricity, decreased heat generation, reduced maintenance requirements, and improved sealing capabilities.

BENEFITS

- Low temperature performance
- Low volatility
- Good seal compatibility
- Thermal stability
- Chemical inertness
- Hydrolytic stability
- Provides residual lubrication
- Guards against binding and seizing

APPLICATION

101SYN Synthetic Lubricant Concentrate 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.

101SYN Synthetic Lubricant Concentrate 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.

CONTAINER SIZE

- Small case (12 Jars)
- 5 gal (19 L)

RELATED PRODUCTS

- 101 Film Forming Lubricant
- 101ET Extreme Temperature Compound
- 101HT High Temperature Compound
- 101LT Premium Low Temperature Lubricant

TYPICAL OBSERVATIONS

	101SYN/265	101SYN	101SYN/365	101SYN/380
Color	Green	Green	Green	Green
Texture	Smooth	Smooth	Smooth	Smooth
Density, lb/gal. @ 77°F (25°C)	8.75	8.50	8.35	8.35
Specific Gravity, @77°F (25°C)	1.05	1.02	1.00	1.00
Dropping Point, ASTM D-2265	>500°F (>260°C)	>500°F (>260°C)	>500°F (>260°C)	>500°F (>260°C)
Flash Point, ASTM D-92	>450°F (>232°C)	>450°F (>232°C)	>450°F (>232°C)	>450°F (>232°C)
Penetration, ASTM D-217 worked @77°F (25°C)	260 - 270	280 - 290	360 - 370	375 - 385
Base Oil Viscosity, ASTM D445				
cst @ 100°C	9.60	9.60	9.60	9.60
cst @ (40°C)	62.9	62.9	62.9	62.9
Water Washout Characteristics, ASTMD-1264 @ 100°F (37°C)	Nil	Nil	Nil	Nil
ASTMD-972 @ 210°F (98°C)	1.10%	1.00%	1.15%	1.15%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	<5.0%	<1.0%	1.21%	1.40%
Oxidation Stability, ASTM D-942 @ 210°F (98°C), 120 hrs. PSI Loss	2	2	2	2
Temperature Range	0°F to >400°F (-17°C to >204°C)	0°F to >400°F (-17°C to >204°C)	0°F to >400°F (-17°C to >204°C)	0°F to >400°F (-17°C to >204°C)
Shelf Life (unopened container)	Two years	Two years	Two years	Two years

The product information and specifications listed in this publication are constantly being updated to keep up with government regulations and technology changes. Please visit our website, www.oilcenter.com, or contact your Account Representative for the most current information relating to this product.

WARRANTY Because the conditions of use and the supervision of application are beyond our control, we assume no liability for any product failure or other damage beyond the purchase price of the material furnished by us. No agent, representative, or employee of this Company is authorized to change this provision, which relates to all goods delivered, whether sold, delivered as samples, or otherwise. Each user should independently determine the suitability of this product based on their specific application.
Made in U.S.A.

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Manufactured by
BALMAR, LLC

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Oil Center Research, Inc.

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Sales Locations:
LAFAYETTE, LA - HOUSTON, TX - LONGVIEW TX - MIDLAND, TX - YUKON, OK

03/24/10