

1654

GUARDIAN PLUS

CO₂ Resistant Plug Valve Lubricant and Sealant with LIQUILON®*

PRODUCT DESCRIPTION

1654 Guardian Plus is a CO₂ and H₂S resistant lubricant and sealant for valves. It provides superb lubrication and sealing to valves exposed to CO₂, H₂S, and other harsh environments. It is insoluble in water, oilfield brine, and hydrochloric acid. 1654 is non-separating, will not absorb moisture, and has excellent leak-resistance. 1654 services temperatures from -30°F to >550°F (-34°C to >288°C).

APPLICATION

1654 Guardian Plus is recommended for industries like Valve Manufacturers, Pipe Line Companies, Utilities, Gathering Systems, Valve Rebuilders, Chemical Processing and Refineries and applied to plug valves, ball valves, gate valves, crude oil pipe line valves, gathering systems valves, motor and hand operated valves, high or low pressure valves.

RELATED PRODUCTS

607 Valve Plus CO₂ Resistant Lubricant and Sealant

607L Valve Plus CO₂ Resistant Lubricant and Sealant with LIQUILON®*

607LG Valve Plus CO₂ Resistant Lubricant and Sealant with LIQUILON®* Special Blend

TYPICAL OBSERVATIONS

Color	Yellow
Texture	Smooth Paste
Density, lb/gal @ 77°F (25°C)	7.90
Specific Gravity, @ 77°F (25°C)	0.946
Dropping Point, ASTM D-2265	570°F (298°C)
Flash Point, ASTM D-92 based on oil	None
Viscosity of Base Oil, cSt @ 40°C	2400
Penetration, ASTM D-217 @ 77°F (25°C)	280
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C)	Pass
Water Washout Characteristics, ASTM D-1264 @ 100°F (37°C)	2.5%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	<5.0%
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	0.3%
Shelf Life (unopened container)	Two years

BENEFITS

- Resists CO₂ and H₂S
- Resistant to diesel
- Temperature range of -30°F to >550°F (-34°C to >288°C)
- Insoluble in water, oilfield brine, and hydrochloric acid
- Non-melting
- Non-separating
- Excellent leak resistance
- Proprietary synthetic blend
- Non-conductive
- Environmentally Safe

FRAC

FLUSH

ARCTIC

STORAGE

SEALANTS

CLEANERS

ASSEMBLY

BALL VALVE
LUBRICANTS

GATE VALVE
LUBRICANTS

PLUG VALVE
LUBRICANTS

STICK PACKING



Liquid-O-Ring®*

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*Registered Tradename of Oil Center Research, Inc.

Manufactured by

BALMAR LLC

616 WEST PONT DES MOUTON ROAD | LAFAYETTE, LA 70507

Sales Locations:

LAFAYETTE, LA | HOUSTON, TX | LONGVIEW, TX | MIDLAND, TX | OKLAHOMA CITY, OK

Made in U.S.A. 01/16/18

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.