

603HV

BIODEGRADABLE, SYNTHETIC PLUG VALVE LUBRICANT AND SEALANT

Made With LIQUILON®

PRODUCT DESCRIPTION

603HV Valve Lubricant is a synthetic, biodegradable, high viscosity plug valve lubricant and sealant for heavy-duty applications. 603HV Valve Lubricant is manufactured with LIQUILON, which is inert and unaffected by acids, caustics, and harsh chemicals, making it suitable for a variety of applications in nearly all industrial areas. 603HV Valve Lubricant prevents scoring and galling on precision valve surfaces and will not dissolve when applied in the presence of aliphatic hydrocarbon. 603HV Valve Lubricant keeps valves free moving, prevents liquid or gas from escaping, is insoluble in water, combats corrosion, and eliminates waste.

APPLICATION

603HV Valve Lubricant is primarily used in industrial areas keeping valves free from “freezing”. However, it may be applied to plug valves in a wide range of services. 603HV Valve Lubricant is recommended for aliphatic hydrocarbons, aqueous solutions, 603HV Valve Lubricant should not be used for steam service, or with oxygen or strong oxidizers such as hydrogen peroxide or sulfuric acid.

TYPICAL OBSERVATIONS

Color	Pale Green*
Texture	Grainy
Appearance	Paste
Active Component	LIQUILON
Manufacturing Process	Fluoromation
Density, lb/gal @ 77°F (25°C)	9.20
Specific Gravity, @ 77°F (25°C)	1.102
Base Oil Type	Synthetic
Blend Base Oil Viscosity, @ 40°C cSt	600.1
Dropping Point, ASTM D-2265	>500°F (>260°C)
Flash Point	445°F (229°C)
Penetration, ASTM D-217 worked @ 77°F (25°C)	
Bulk	230
Stick	100
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (52°C)	Pass
Water Washout Characteristics, ASTM D-1264 @ 77°F (25°C)	Nil
Oxidation Stability, ASTM D-942 # 210°F (98°C), 100 hrs, PSI Loss	8
Temperature Range	-40°F to >450°F (-40°C to >232°C)
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.*

BENEFITS

- Biodegradable
- Excellent sealing properties
- Keeps valves free from “freezing”
- Water resistant
- Services temperatures to >450°F (>232°C)
- Non-toxic
- Resists acids, caustics and harsh chemicals
- Keeps liquid or gas from escaping
- Retains consistency
- Will not dissolve in aliphatic hydrocarbon services
- Combats corrosion
- Eliminates waste
- Prevents scoring and galling

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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Sales Locations:
LAFAYETTE, LA | HOUSTON, TX | LONGVIEW, TX | MIDLAND, TX | OKLAHOMA CITY, OK

Made in U.S.A. 08/19/16

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.