

# 635

## HI-TECH

### Synthetic Valve Lubricant and Emergency Sealant

#### PRODUCT DESCRIPTION

635 Hi-Tech is a superior synthetic valve lubricant and emergency sealant, which reduces friction during valve operation. 635 Hi-Tech allows valves to turn easily, thereby extending their performance and lifetime.

635 Hi-Tech is resistant to solvents and chemicals including hydrogen disulfide, crude oil, diesel, carbon dioxide, hydrochloric acid, brine, water and condensates, as well as drilling muds. It is waterproof, non-hardening, and contains anti-wear additives. 635 Hi-Tech adheres to metal assuring protection against rust and corrosion. 635 Hi-Tech has a temperature range of -20°F to >450°F (-29°C to >232°C).

#### APPLICATION

635 Hi-Tech applications include hydrogen sulfide, crude oil diesel, carbon dioxide, hydrochloric acid, brine, aqueous solutions, petroleum gases, salt solutions, propane, LPG, petroleum liquids, crude distillates, and natural gas.

635 Hi-Tech may be used in production oilfield areas where range of service situations are required. 635 Hi-Tech application includes areas where "peanut butter" type sealants are not desired. It may also be used for application in the industrial and marine industries in areas requiring resistance to hydrocarbon and hydrocarbon/water mixtures and no solids contamination.

Apply 635 Hi-Tech using a grease gun, hand-operated or air-operated lubricator.

Recommended applications include plug valves, gate valves, high pressure valves, low pressure valves, wellheads, bearings, ball valves, hand-operated valves, motor-operated valves, crude oil pipe valves, gathering systems valves, and close tolerance valves.

#### RELATED PRODUCTS

635M Hi-Tech (with molybdenum disulfide)  
VC51 Valve Cleaner

#### TYPICAL OBSERVATIONS

Color	Golden
Texture	Smooth
Density, lb/gal @ 77°F (25°C)	8.25
Specific Gravity @ 77°F (25°C)	0.99
Dropping Point, ASTM D-2265	>500°F (>260°C)
Flash Point	445°F (229°C)
Penetration, ASTM D-92 worked @ 77°F (25°C)	230
Base Oil Viscosity cSt @ 77°F (25°C)	5400
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C)	Pass
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	Nil
Oil Separation, ASTM D-1742 @ 210°F (98°C)	5%
Oxidation Stability, ASTM D-942 @ 210°F (98°C), 100 hrs. PSI Loss	10
Temperature Range	-20°F to >450°F (-29°C to >232°C)
Shelf Life (unopened container)	Two years

#### BENEFITS

- Non-melting
- Non-toxic
- Non-hazardous
- Rust, corrosion, and oxidation preventive
- Seals and lubricates
- Resists hydrogen disulfide, crude oil, oilfield brine water, diesel, and sea water
- Reduces torque
- Insoluble in water
- Multipurpose
- Anti-wear and EP additives

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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