



# EZY-TURN® POLAR

## GATE VALVE SEALANT FOR ARCTIC CONDITIONS

### DESCRIPTION

**EZY-TURN® POLAR** Gate Valve Sealant is designed for oilfield use under arctic conditions. It will not absorb or mix with water which prevents freeze up at low temperatures. Remains an effective sealant and lubricant to -75° F (-59° C).

**EZY-TURN® POLAR** contains 100% synthetic base oils that give excellent resistance even in most severe acid conditions. Graphite has been incorporated as a solid boundary lubricant to prevent galling of valve gates and seats. The additive package helps reduce the torque required for normal valve operation compared to other products.

**EZY-TURN® POLAR** is not affected by hydrogen sulfide encountered in sour crude and gas. It is resistant to hydrocarbons and carbon dioxide at low temperatures.

- Synthetic Base
- Hydrocarbon Resistant
- Pumpable
- Repels Water
- Biodegradable
- H<sub>2</sub>S Resistant
- Nontoxic

### APPLICATIONS

**EZY-TURN® POLAR** is designed for oilfield gate valve lubrication under arctic conditions.

**EZY-TURN® POLAR** is recommended as a lubricant for conveyor systems bearings, bearings, chains, slides, etc. where low temperature service is encountered.

### SERVICE RECOMMENDATIONS

- Carbon Dioxide
- Sour Gas
- Sour Crude
- Hydrogen Sulfide

### SERVICE RATING

-75° F (-59° C) to 350° F (177° C)

\* OEM valve companies may have service ratings above or below those shown based on specifics of their valves.

**Note: Not for use with oxygen for strong oxidizers such as hydrogen peroxide or sulfuric acid.**

### PRODUCT CHARACTERISTICS

Appearance	Paste
Color	Gray to Black
Thickener	Inorganic
Cone Penetration, mm x 10 <sup>-1</sup> (ASTM D-217)	265 – 295
Density (lb/gal)	7.65
Specific Gravity	0.91 Typical
Flash Point, °F (°C) (ASTM D-92)	> 435 (224)
Dropping Point (ASTM D-2265)	None
Oil Separation Wt. % (FTMS 791.B M 321.2) (ASTM D-6184)	5.0 max.
Temperature Range, °F (°C)	-75 to 350 (-59 to 177)