

Glycol

Shale Inhibitor

Description

GLYCOL is a polyalkylene glycol, is used in water-based drilling fluids to improve lubricity and shale stability. It is recommended for use in potassium-based and sodium-based salt (1-5 % by vol.) systems in areas where highly reactive clays are anticipated.

Applications/functions

- Acts to reduce swelling of reactive clays by chemical interaction at the clay surface
- Increases mud lubricity
- Reduces bit-balling tendencies

Advantages

- Compatible with most water-based drilling fluids
- Unaffected by contaminants
- Environmentally responsible

Typical properties

- | | |
|-------------------------------|------------------------|
| • Appearance | Clear colorless liquid |
| • Specific gravity | 1.02 g/cm ³ |
| • pH, (10 % aqueous solution) | 6 - 7 |

Recommended treatment

Add 1-5 % by volume to the drilling fluid system. As the product concentration tends to deplete as drilling progresses, control and timely replenish its concentration.

Package

Glycol is packaged in 220 kg drums.
