



## Technical Datasheet

# GLYCOL-DRILL HC

### Description

Glycol-Drill HC (High Cloud-point) is a high-quality synthetic grade glycol for using in water-based drilling fluids in order to providing wellbore stability while drilling through problematic shale layers with minimum adverse effects on rheological and filtration properties. Performance of Glycol-Drill HC is elevated in presence of KCL salt. Cloud Point of Glycol-Drill HC (3% vol/vol) in 25% Salt water is more than 70 Celsius degrees.

### Application

Main function of Glycol-Drill HC is providing wellbore stability in shale layers by forming clouds in front of pores of shale layers and minimize shale sloughing or hydration. Also, some reduction in friction coefficient of filter cakes and improvement of rate of penetration are other advantages of using GLYCOL-DRILL HC.

### Advantages

- Compatible with different types of water-based drilling fluids
- Provides shale stability and lubricity
- Minimum adverse effect on filtration and rheological properties of fluids
- Environmentally acceptable additive
- Thermal Stabilizer for polymers
- Minimize shale swelling
- Compatible with Gilsonite or asphaltic inhibitors
- Improves penetration rates

### Typical Properties

APPEARANCE	Clear liquid
SPECIFIC GRAVITY (25 Celsius degrees)	1.05-1.2
Cloud Point (3% in 25% Salt water)	70-75 Celsius degrees
Shale Recovery (API Practice)	>40%
Water Solubility	Soluble in brine or fresh water

### Treatment

It is recommended to use Glycol-Drill HC in water-based muds with concentrations of 1 to 3% vol/vol. Periodic treatment of active drilling fluid while drilling is highly recommended. It is better to use this product along with KCL salt to maximize shale stability efficiency.

### Packaging

Glycol-Drill HC is available in 55-Gal Drums.