

GEM™ CP

Shale Stabilizer

Product Data Sheet

Product Description

GEM™ CP shale stabilizer is a cloud point producing polyglycol that can be used in water-based drilling fluids to help improve lubricity and shale stability. It is recommended for use in potassium and sodium salt based fluids when highly reactive clays are anticipated. GEM CP shale stabilizer also helps to reduce bit-balling, is compatible with most water-based drilling fluids, is unaffected by contaminants, can decrease the HTHP filtration. GEM CP shale stabilizer is environmentally friendly and suitable for use world wide.

Applications / Functions

- Helps stabilize reactive formations
- Helps increase lubricity of the drilling fluid
- Helps reduce bit-balling tendencies
- Helps decrease HTHP filtration

Advantages

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

Typical Properties

- | | |
|------------------------------|------------------------|
| • Appearance | Clear colorless liquid |
| • pH, (10% aqueous solution) | 6.25 |
| • Specific gravity | 1.02 |
| • Cloud point | See table |
| • Solubility | Water soluble |

Recommended Treatment

Add 2-7 percent by volume to the mud system

Packaging

GEM CP shale stabilizer is available in 55-gal (208-l) drums containing 465-lb (211-kg) net weight and in IBC tanks

www.halliburton.com/baroid

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GEM CP Stabilizer Cloud Point		
System	3% GEM CP, °F (°C)	6% GEM CP, °F (°C)
Fresh water	145 (63)	127 (53)
Sea water	111 (44)	95 (35)
5% potassium chloride	113 (45)	102 (39)
10% potassium chloride	93 (34)	81 (27)

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