

EZ-MUD®

Shale Stabilizer

Product Data Sheet

Product Description

EZ-MUD® shale stabilizer is a synthetic polymer dispersed in a liquid carrier that is used in water based fluids to help stabilize reactive clay and shale formations. This product absorbs onto cuttings and clays on the borehole wall, which helps to prevent dispersion. EZ-MUD shale stabilizer also quickly viscosifies with increased concentrations. This product is readily soluble in fresh, brackish, or monovalent salt waters, and can be used to with clay based viscosifiers or alone to prepare solids-free drilling fluids. EZ-MUD shale stabilizer is suitable for application up to 300°F (149°C). High pH environments (> 10.5) can cause hydrolysis, particularly at elevated temperatures, and should be avoided.

Applications / Functions

- Helps stabilize water-sensitive formations
- Helps reduce bit-balling
- Helps increase rheological properties of drilling fluids
- Helps provide mud lubricity in low pressure situations
- Helps flocculate drilled solids when used in low concentrations
- Helps enhance the yield of bentonite clays in low solids drilling systems

Advantages

- Yields rapidly with minimum shear
- Is nonfermenting
- Does not require biocides
- Stable in monovalent salt (NaCl, KCl, etc.) environments
- Effective in small concentrations
- Can be destroyed with oxidizing agents when desired

Typical Properties

• Appearance	Milky-white fluid with minimal syneresis
• Flash point, PMCC >	200°F
• Flash point, PMCC >	93°C
• Specific gravity	1.05

Recommended Treatment

Add 1-4 lb/bbl (2.9-11.4 kg/m³) of EZ-MUD shale stabilizer slowly through the hopper.

Note: If product has separated due to extended storage, resuspend by shaking vigorously or rolling containers before using

Packaging

EZ-MUD shale stabilizer is packaged in 5-gal (18.9-l), 1-gal (3.8-l) and 6.6 gal (25-l) pails.