

EZ-MUD® DP

Shale Stabilizer

Product Data Sheet

Product Description

EZ-MUD® DP shale stabilizer is a high molecular weight, 100% active dry powder polymer used to stabilize reactive clays and shale formations in water based drilling fluids. This product absorbs onto cuttings and clays on the borehole wall, which helps to prevent dispersion. EZ-MUD DP shale stabilizer is also used to provide secondary viscosity and reduce bit-balling. EZ-MUD DP shale stabilizer is suitable for use up to 300°F (149°C) in fresh water, sea water and monovalent brines. 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

- 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 | White powder |
| • pH, (1% aqueous solution) | 7 |
| • Specific gravity | 1.05 |

Recommended Treatment

Add 0.25-1.5 lb/bbl (0.71-4.3 kg/m³) of EZ-MUD DP shale stabilizer slowly through the hopper.

Packaging

EZ-MUD DP shale stabilizer is packaged in a 14-lb (6.4-kg), 20-lb (9.8-kg) pails, 50-lb (22.7-kg) and 55.1-lb (25-kg) sacks.