



EZ-MUD[®]

Shale Stabilizer

Description EZ-MUD, partially hydrolyzed polyacrylamide/polyacrylate (PHPA) copolymer emulsion, is used to stabilize reactive clay and shale formations. EZ-MUD acts as a shale stabilizer by adsorbing onto cuttings and clays on the borehole wall, preventing dispersion. Because of its high molecular weight, EZ-MUD quickly viscifies with increased concentrations. EZ-MUD is readily soluble in fresh, brackish, or salt waters, and it can be used to prepare solids-free drilling fluids.

Applications/Functions

- Stabilize water-sensitive formations
- Reduce bit-balling
- Increase rheological properties of drilling fluids
- Provide mud lubricity in low pressure situations
- Flocculate drilled solids when used in low concentrations
- 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, Pensky-Martens, °F (°C)	> 200 (93)
• Specific gravity	1.05

Recommended Treatment Add 1-4 lb/bbl (2.9-11.4 kg/m³) of EZ-MUD 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 is packaged in 5-gal (18.9-l) and 1-gal (3.8-l) pails.

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