

EZ-MUD[®]



EZ-MUD liquid polymer emulsion contains partially hydrolysed polyacrylamide/polyacrylate (PHPA) copolymer, and is used primarily as a borehole stabilizer to prevent reactive shale and clay from swelling and sloughing. EZ-MUD is also added to low-solids drilling fluids to increase lubricity, fluid viscosity, and to improve carrying capacity of air/foam injection fluids.

Functions

- Stabilizes reactive shale and clay formations.
- Improves borehole stability.
- Alleviates mud rings, bit balling and booting-off in clay formations.
- Reduces drill pipe torque and pumping pressure.
- Minimizes rod chatter in diamond core drilling.
- Can create "stiff-foam" and maintain foam integrity.
- Flocculates non-reactive solids in reserve pit at low concentrations.

Advantages

- Easy to disperse.
- Helps provide effective clay and shale stabilization.
- Imparts high degrees of lubricity.
- Non-fermenting.
- Breaks down chemically with bleach (sodium hypochlorite).
- NSF/ANSI Standard 60 certified.

Approximate amounts of EZ-MUD polymer added to a drilling fluid system:

Added to fresh water	Added to Bentonite fluids	Added to air/foam injection liquid
1 - 5 litres/m ³	1 - 2.5 litres/m ³	1 - 2.5 litres/m ³

