



EZ-MUD[®] RDP

Readily Dispersible Dry Polymer

Description

EZ-MUD[®] RDP readily-dispersible, dry granular synthetic polymer contains partially hydrolyzed polyacrylamide/polyacrylate (PHPA) copolymer. EZ-MUD RDP water-soluble polymer disperses and dissolves in fresh water rapidly. When mixed with fresh water, EZ-MUD RDP readily-dispersible polymer, hydrates quickly and forms a clear, viscous fluid. With its high molecular weight and optimum charge density, EZ-MUD RDP readily-dispersible polymer provides excellent borehole stability through a coating mechanism (encapsulation).

Applications/Functions

- Stabilize reactive clay and shale formations
- Produce high viscosity solids-free slurry
- Enhances rheological properties of a low-solids drilling mud
- Flocculate non-reactive solids in reserve pit at low concentrations
- Reduces torque and drag

Advantages

- Disperses easily with minimal shear
- Efficient shale/clay stabilizer and viscosifier
- Imparts high degree of lubricity
- Compatible with other drilling fluid additives when added in proper sequence
- Non-fermenting
- No petroleum distillates involved
- Breaks down chemically with bleach (sodium hypochlorite)

Typical Properties

Appearance	White, free-flowing granular
pH (0.15% solution)	7.5
Density	1.45 (as packaged)

Recommended Treatment

Approximate Amounts of EZ-MUD RDP Readily-Dispersible Polymer Added to Active Drilling Fluid System			
Drilling Application/Desired Property	lbs/bbl	lbs/100 gal	kg/m ³
	0.1 - 0.6	0.25 - 1.5	0.3 - 1.8

**Recommended
Treatment
(continued)**

Notes:

- Make-up water used to mix EZ-MUD RDP readily-dispersible polymer should meet the following quality:
total chloride less than 1500 ppm (mg/L)
total hardness less than 150 ppm as calcium
total chlorine less than 50 ppm
water pH between 8.5-9.5
- Reduce total hardness of make-up water by adding soda ash (sodium carbonate) at 0.6 - 1.2 kg/m³ (0.5 - 1 pound /100 gallons) of make-up water.
- EZ MUD RDP readily-dispersible polymer can be chemically broken down with regular household liquid bleach (5% sodium hypochlorite). Use 10 liters/m³ (1.0 gallon of liquid bleach per 100 gallons) of fluid formulated with EZ MUD RDP readily-dispersible polymer. Do not use perfumed liquid bleach or solid calcium hypochlorite.

Packaging

EZ-MUD RDP readily-dispersible polymer is packaged in 25-kg (55.1-lb) multiwall paper bags.

Availability

EZ-MUD RDP readily-dispersible polymer can only be purchased through European Baroid Industrial Drilling Products Retailers. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

Baroid Industrial Drilling Products

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Houston, TX 77032

Customer Service (800) 735-6075 Toll Free (281) 871-4612

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