



QUIK MUD[®] GOLD

Clay/Shale Stabilizer

Description QUIK MUD[®] GOLD clay and shale stabilizer provides inhibition of clay and shale formations in water-based drilling fluids without substantially increasing viscosity. QUIK MUD GOLD clay and shale stabilizer, when added to a QUIK-GEL[®] or BORE-GEL[®] slurry, yields an inhibitive drilling fluid system while maintaining manageable and effective fluid properties.

**Applications/
Functions**

The use of QUIK MUD GOLD clay/shale stabilizer assists or promotes the following:

- Enhanced rheological properties of a low-solids drilling fluid
- Clay and shale stabilization to prevent swelling and/or dispersion
- Borehole stability in water sensitive formations
- Minimal rotational torque and circulating pressure
- Enhanced air-foam system capabilities
- Improved core recovery in continuous wireline coring operations

Advantages

- NSF/ANSI Standard 60 certified
- Allows use of high concentrations to gain inhibition without producing excess viscosity
- No petroleum distillates
- Non-fermenting
- Compatible with other Baroid drilling fluid additives when added in proper sequence
- Breaks down chemically with bleach (sodium hypochlorite)

**Typical
Properties**

- | | |
|------------------------------------|-----------------------------------|
| • Appearance | White, free-flowing coarse powder |
| • Bulk density, lb/ft ³ | 52 |
| • pH (1% aqueous solution) | 7.75 |

**Recommended
Treatment**

- Using a Venturi Mixer, or into vortex of a high-speed stirrer, add slowly and uniformly to the entire circulating system.

See the following treatment chart or contact your local Baroid IDP Representative for assistance.

**Recommended
Treatment
(continued)**

Approximate Amounts of QUIK MUD® GOLD stabilizer Added to Water Based Fluids			
<i>Added to fresh water (to formulate a clay-free fluid)</i>	lb/bbl	lb/100 gal	kg/m³
<ul style="list-style-type: none"> To stabilize water sensitive formation To reduce torque and lower circulating pressure 	0.25 – 1	0.6 – 2.4	0.7 – 2.9
<i>Added to QUIK-GEL® or BORE-GEL® drilling fluids</i>	lb/bbl	lb/100 gal	kg/m³
<ul style="list-style-type: none"> To retard reactive shale and clay and enhance lubricity 	0.1 – 0.3	0.25 – 0.75	0.3 – 0.9
<i>Added to injection fluid in air-foam applications</i>	lb/bbl	lb/100 gal	kg/m³
<ul style="list-style-type: none"> To reduce filtration rate and improve borehole stability 	0.25 – 1	0.6 – 2.4	0.7 – 2.9

- The ultimate usage concentration of QUIK MUD GOLD stabilizer will depend upon the quality of the make-up water used for mixing.
- Ideal make-up water has a total hardness (as calcium) less than 100 ppm (mg/L), chloride content less than 1500 ppm, chlorine content less than 50 ppm, and pH between 8.5 – 9.5.
- Reduce total hardness of make-up water by adding soda ash (sodium carbonate) at 0.5 – 1 pound per 100 gallons (0.6 – 1.2 kg/m³) of make-up water.
- QUIK MUD GOLD stabilizer can be chemically degraded using regular liquid household bleach (5% sodium hypochlorite). Use one gallon of liquid bleach per 100 gallons (10 liters/m³) of fluid formulated with QUIK MUD GOLD stabilizer.

Do not use perfumed bleach or calcium hypochlorite.

Packaging

QUIK MUD GOLD clay and shale stabilizer is packaged in 10-lb (4.5-kg) and 40-lb (18-kg) plastic pails. QUIK MUD GOLD stabilizer is also available in 50-lb (22.7 kg) or 55-lb (25-kg) multi-wall paper bags upon request.

Availability

QUIK MUD GOLD clay and shale stabilizer can be purchased through any Baroid Industrial Drilling Products Retailer. 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
Product Service Line, Halliburton**
3000 N. Sam Houston Pkwy. E.
Houston, TX 77032

Customer Service	(800) 735-6075 Toll Free	(281) 871-4612
Technical Service	(877) 379-7412 Toll Free	(281) 871-4613
