



PERFORMATROL[®] 930

Clay Inhibition System

Description PERFORMATROL[®] 930 Clay Inhibition System is designed to provide borehole stabilization, minimize core infiltration, and maximize clay and shale inhibition.

Applications/Functions

The use of PERORMATROL 930 aids or promotes the following:

- Helps inhibit shale swelling and disintegration
- Can be used as a single-sack, clay-free fluid or in conjunction with bentonite-based fluids.

Advantages

- Single-sack product, no additive necessary
- Non-fermenting
- Provides inhibition of clay/shale for maximum borehole stability
- NSF/ANSI/CAN Standard 60

Typical Properties

- Appearance White to off-white powder
- Bulk Density, lb/ft³, kg/m³ 43 - 52, 688 - 833
- pH (0.2% Aqueous Solution) 8.0

Recommended Treatment

- Reduce total hardness of make-up water by adding soda ash at 0.5 to 1.0 pound per 100 gallons (0.6-1.2 kg/m³) of make-up water.

Approximate Amounts of PERFORMATROL[®] 930 Clay Inhibition System Added to Develop a Clay-Free Drilling Fluid System

lbs/100gallons	kg/m ³
0.5 – 2.5	0.75 – 3.0

1. For a clay-free drilling fluid, add the appropriate amount of PERFORMATROL 930 Clay Inhibition System slowly and uniformly into a Venturi hopper or into the vortex of a prop mixer and allow to mix for no longer than five minutes to ensure uniform dispersion and water wetting of the polymer to the entire circulating system or mix tank.
2. Stop all mixing and shut down the system allowing the polymer fluid to remain static for 20 minutes.
3. Re-start the mixing system and homogenize the resulting polymer fluid by mixing the fluid for the time required to achieve one complete circulation of the total volume mixed.

Approximate Amounts of PERFORMATROL[®] 930 Clay Inhibition System Added to Bentonite-based Drilling Fluid System

lbs/100gallons	kg/m ³
0.5 – 2.0	0.75 – 2.5

1. For a bentonite-based drilling fluid, add PERFORMATROL 930 Clay Inhibition System after bentonite has hydrated. PERFORMATROL 930 Clay Inhibition System should be introduced slowly and uniformly using a Venturi hopper or into the vortex of a prop mixer and allow to mix for no longer than five minutes to ensure uniform dispersion and water wetting of the polymer.
2. Stop all mixing and shut down the system allowing the polymer fluid to remain static for 20 minutes.
3. Re-start the mixing system and homogenize the resulting polymer fluid by mixing the fluid for the time required to achieve one complete circulation of the total volume mixed.

Packaging PERFORMATROL 930 Clay Inhibition System is packaged in a 20-lb plastic pail containing 10, 2-lb bags and 40-lb re-sealable plastic pails.

Availability PERFORMATROL 930 Clay Inhibition System 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
