



BARAD-399 CORE™

Single Sack Drilling Fluid System

Description BARAD-399 CORE™ single sack drilling fluid system is engineered to address the majority of drilling situations in wireline coring operations. The BARAD-399 CORE system provides easy mixing, rapid hydration characteristics, and yields a drilling fluid formulation with ideal viscosity, excellent filtration control and lubricity, and enhanced bore hole stabilization. For most drilling situations the BARAD-399 CORE system provides a stable, high performing drilling fluid without the need for additional additives, reducing the amount of additional products on site.

Applications/Functions

The use of BARAD-399 CORE drilling fluid system promotes:

- Formation of a low-solids, freshwater drilling fluid engineered for wireline coring applications
- Clay/shale stabilization limiting swelling and/or dispersion
- Filtration control in porous formations
- Borehole stability in water sensitive formations
- Reduced rotational torque and circulating pressure
- Improved hole cleaning and core recovery

Advantages

- NSF/ANSI Standard 60 certified
- Reduces variation in formulation from shift to shift
- Reduces number of products on site.
- Single-sack product, no additives necessary
- Optimized grind size for enhanced mixing and yield
- Efficiently improves filtration control
- Provides lubricity
- In most cases, water pretreatment is not necessary

Typical Properties

- Appearance Fine tan to brown powder
- Bulk density, lb/ft³ 47.9-72-1
- pH (3% solution) 8-10

Recommended Treatment

Mix slowly through a jet mixer or sift slowly into the vortex of a high-speed stirrer.

Approximate Amounts of BARAD-399 CORE Drilling Fluid System Added to Freshwater		
lb/100 gal	lb/bbl*	kg/m ³
16-25	7-10.4	19-30

*1 bbl = 42 U.S. gallons

Packaging BARAD-399 CORE drilling fluid system is packaged in 50-lb (22.7-kg) multiwall paper bags.

Availability BARAD-399 CORE drilling fluid 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
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