BARITE

WEIGHTING MATERIAL

DESCRIPTION

High-grade barium sulfate specially processed use as a drilling fluid weighting additive. BARITE meets the API Specification 13A, Section 2 requirement for a drilling fluid BARITE.

RECOMMENDED USE

Primarily for mud rotary drilling, barite increases mud density while maintaining low solids to help control formation pressures.

ADVANTAGES

- High specific gravity; raises drilling fluid density with minimum solids
- Controls formation pressure, stabilizes the borehole
- Cost-effective, non-toxic, and chemically inert

PROPERTIES

- Specific Gravity: 4.2 (minimum)
- Moisture Content: Less than 1%
- Bulk Density: 150 lbs/ft^3
- Mineral Content: 94% barium sulfate

MIXING AND APPLICATION

Add BARITE through high shear mixer or jet hopper so that entire circulating volume is at uniform weight. To control artesian flow at surface, keep the hole full at all times with weighted mud. Starting with 100 gallons of mud at a weight of 9 lbs/gal, 134 lbs of BARITE will raise the weight to 10 lbs/gal and increase the volume to 104 gallons.

PACKAGING

~100 lb (45 kg) bag, 40 per pallet. All pallets are plastic-wrapped.

BARITE REQUIRED TO INCREASE DENSITY OF 100 GALLONS PREMIUM GEL (8.5 lbs/gal)*

Final Weight (lbs/gal)	BARITE (lbs/100 gals)	Hydrostatic Gradient	Final Volume (gals)
9.0	67	0.468	102.0
9.5	136	0.494	104.0
10.0	208	0.520	106.0
10.5	283	0.546	108.1
11.0	361	0.572	110.3
11.5	443	0.598	112.7

*Based on PREMIUM GEL slurry of 50-60 lbs per 100 gallons of water.

North America: 847.851.1800 | 800.527.9948 | www.CETCO.com

UPDATED: AUGUST 2026

© 2026 CETCO. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.CETCO.com. CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.

CETCO
A MINERALS TECHNOLOGIES COMPANY

FORM: TDS_BARITE_AM_EN_202608