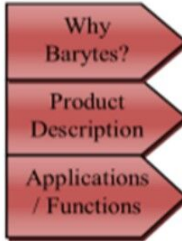


PRODUCT DATA SHEET

Weighting Material

BARITE



Compounds of Barium, especially Barite (BaSO_4), are critical to the petroleum industry. Barite is used as a weighting agent in drilling Oil wells. A weighting agent is a material that adds body to petroleum. Drilling for oil used to produce huge gushers. A gusher is an oil that sprays out of the well into the air. Gushers are undesirable, because they waste oil and can burn for months if ignited. Gushers are caused by the pressure of oil rushing into a newly drilled hole in the ground. This pressure pushes the oil upward much too rapidly. Barite is added to the hole as it is drilled. There, it tends to mix with oil in the ground and form a very dense mixture that comes out much more slowly and under control.

This Weighting material is ground Barite and used to increase the density of drilling fluids to control formation pressures. Barite weighting material has a specific gravity of 4.10 / 4.20 and can be used to increase the density in oil and water-based drilling fluids up to 20 lb/gal (2.40 SG). Barite weighting material is chemically inert and does not affect drilling fluid chemical properties and it helps to stabilize the borehole and helps to prepare solids-laden plugs for well control applications.

Barite meets the API specification 13A, section2 requirement for a drilling fluid Barite.



The industry standard weighting agent for drilling fluids:
 High specific gravity; raises drilling fluid density with minimum solids
 Chemically inert
 Cost-effective weighting agent
 Mixes equally well in oil or water
 White color (helps to keep the rig clean)
 Controls formation pressure, stabilizes the borehole



Appearance	: Powder
Specific Gravity	: 4.10 - 4.20
Moisture Content	: Less than 1%
Mineral Content	: 94% Barium Sulphate
Bulk Density	: 150 lbs/ft ³



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 lb/gal and increase the volume to 104 gallons.



Barite Powder weighting material is packaged in
 50kg,
 1.0 MT and 1.5 MT Jumbo bags (FIBC type, Single Trip, 4 loops)
 AND as required by the Buyer