



DRILLING FLUID PRODUCTS

TECHNICAL INFORMATION

IM-BAR™

API Barite

Weighting Agent for Water Based Drilling Fluids

IM-BAR is high purity barium sulfate for increasing drilling fluid density in most water based drilling muds. IM-BAR is specially processed to exceed API 13A Section 2 specifications, and may be used to control formation pressures and to check formation caving.

Product Specifications:

Property	Specification
Suspension properties as per API 13A Section 2	
Density (g/cm ³)	Min. 4.2
Water Soluble Alkaline (mg/kg as Ca ²⁺)	Max. 250
Residue > 75 μ	Max. 3.0% (wt)
Particle Fines (< 6 μ)	Max. 30.0% (wt)
Moisture Content	Max. 1.0%
Bulk Density (kg/m ³)	2100 - 2300
Barium Content (as barium Sulfate)	> 90 %
Appearance	Grey fine powder

Functions:

IM-BAR has the following benefits:

- Chemically inert to all drilling fluid additives
- Cost effective means of increasing or maintaining mud density
- Maintains properties at all encountered bottom-hole temperatures

Recommended Treatment:

PER BARREL (BBL)	PER M ³
Material required (lb) = $1490 \frac{(W_2 - W_1)}{(35.5 - W_2)}$	Material required (kg) = $4200 \frac{(W_2 - W_1)}{(4.2 - W_2)}$
Where, W ₁ = Initial Mud Density (lb/gal) W ₂ = Desired Mud Density (lb/gal)	Where, W ₁ = Initial Specific Gravity W ₂ = Desired Specific Gravity

Packaging:

Packaged in 25 and 50 kg multiwall paper sacks and in 1500 kg HDPE big bags.

Legislation and Handling Recommendations:

Not restricted by any regulatory agency. Refer to the Material Safety Data Sheet (MSDS) for the product prior to use.

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