BARITE

Drilling Fluid Weighting Agent

DESCRIPTION

BARITE is a high-quality drilling grade API 13A spec barium sulphate used to increase density of drilling fluids. It is chemically inert, insoluble and does not react with other drilling fluids.

APPLICATIONS

BARITE is primarily used in mud rotary drilling. BARITE increases mud density to help control formation pressures, stabilise the borehole or used in kill fluids.

ADVANTAGES

- Safe and Easy to use
- Non-toxic and environmentally acceptable
- Is compatible with most other Mudex drilling fluids

AUSTRALIAN MADE

TYPICAL PROPERTIES

Physical Appearance	Specific Gravity
Tan Powder	4.2

USAGE

Barite Weight Up Formula

$$Barite(kg/m^3) = 4{,}200\left(\frac{W2 - W1}{4.2 - W2}\right)$$

Where:

$$W1 = Initial\ Mud\ Weight\ (SG)$$
$$W2 = Desired\ Mud\ Weight(SG)$$

e.g., The current mud weight is 1.1 SG | The desired mud weight is 1.3 SG.

$$\begin{aligned} Barite(kg/m^3) &= 4{,}200\left(\frac{W2 - W1}{4.2 - W2}\right) \\ &= 4{,}200\left(\frac{1.3 - 1.1}{4.2 - 1.3}\right) \\ &= 4{,}200\left(\frac{0.2}{2.9}\right) \\ &= 4{,}200 \times 0.07 \\ \therefore Barite &= 289.66\ kg/m^3 \end{aligned}$$

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