GYPSUM

P1617.9502

WBM Drilling

Product Description

GYPSUM is powdered calcium sulfate dehydrate.

Product Function

GYPSUM is used to formulate gyp–base muds. GYPSUM can be used to reduce carbonate levels of water–base muds without increasing the pH as the case with lime hydrate.

Features and Benefits

GYPSUM is used to prepare muds. The limited water solubility of GYPSUM provides an excellent inexpensive source of calcium ions to inhibit swelling and provide for base exchange of shale and clays to the calcium form. The calcium solubility of GYPSUM increases with higher chloride levels.

Recommended Treatment

GYPSUM is normally used in concentrations of 2–5 lbs/bbl (5.7–14.3 kgs/m³) for conversion of sodium–base muds to gyp– base muds. For carbonate removal, the concentration levels depend on the degree of carbonates present in the muds.

International Shipping References

Transportation of GYPSUM is not restricted by any regulatory agency.

Standard Packing

GYPSUM is packaged in 25 kgs or 33 kgs multiwall paper sack.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Non-Reservoir
- Sub Category: Cation Exchange
- SG value: 2.3
- pH in water: Neutral
- Specific Gravity: 2.3
- Max Temperature: 250
- Category: Shale Stabilizers
- Product Tier: Regular
- Appearance: Light Gray powder
- Bulk Density Kg/m³: 420 - 450

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