Product Bulletin

MAGNESIUM OXIDE - I

P1661.2002

WBM/OBM Drilling

Product Description
MAGNESIUM OXIDE – I (MgO) Industrial Grade.

Features and Benefits
MAGNESIUM OXIDE- is utilized in water base drilling and completion fluids to maintain pH in the 9.5–10.0 range. MAGNESIUM OXIDE act as a pH buffering agent and therefore promotes drilling fluid temperature stability.

International Shipping References
Transportation of MAGNESIUM OXIDE is not restricted by any regulatory agency.

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
- Max Temperature: 350
- Reservoir Compatible: Both
- Category: Alkalinity Control
- Sub Category: Commercial
- Product Tier: Regular
- SG value: 3.5
- Appearance: White free flowing fine powder
- Purityss: 85 min

Product Function
MAGNESIUM OXIDE is utilized in water base drilling and completion fluids to maintain pH in the 9.5–10.0 range. MAGNESIUM OXIDE act as a pH buffering agent and therefore promotes drilling fluid temperature stability.

Recommended Treatment
MAGNESIUM OXIDE is initially added at a concentration of 3.0–5.0 lbs/bbl (8.6–14.3 kgs/m³). An excess maybe added without increasing pH above 10.

Standard Packing
MAGNESIUM OXIDE is packaged in 25 kgs multiwall paper sack.

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