



Description

MAGNESIUM OXIDE is used to provide alkalinity control for all water-based systems and is compatible with freshwater, brines, and brine polymer systems. magnesium oxide dissolves in water to provide a pH of approximately 10.3. At this pH, no more magnesium oxide will dissolve with any remaining undissolved product dissolving if the pH falls. This creates a pH buffer that is safer to use than caustic soda.



Advantages

- Safer to Use than Caustic Soda
- Increase the temperature range of polymers
- Economical
- Easy to Use

Packing

25 Kg Bag , 1000 Mt Jumbo Bag

Application

MAGNESIUM OXIDE can be used to increase the pH of aqueous systems and can also be used as an alternative to lime for treatment of carbon dioxide contamination. Its ability to act as a pH buffer results in it increasing the thermal stability of polymers.

Recommended Treatment

Typical treatment range of MgO is 0.3 – 5.7 kg / m³ (0.1 – 2.0 lb / bbl) up to 8.6 kg / m³ (3 lb / bbl) may be used in drill-in fluids. Pilot tests should be conducted in order to determine correct treatment.

Physical & Chemical Properties

Appearance: Fine off-white powder

Specific gravity: 3.4 – 3.6

Solubility in water: 0.086 g / L

MgO : 94-95 %

Silica as SiO₂ : < 3.5 %

Calcium Oxide : 0.03 % Max

Loss on Ignition : < 4%

Mesh Size : 200 Mesh

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

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