

Magnesium Oxide

MAGOX (Magnesium Oxide) is an alkaline earthmetal oxide design to used as a pH buffer in water based drilling fluids.

Typical Physical Properties

Physical appearance White powder
 Specific gravity 3.6
 pH (1% solution): 10.5

Applications

MAGOX is mainly used as a pH buffer in both fresh water and brine based drilling fluids, completion, workover and packer fluids. MAGOX effectively buffers alkalinity to a maximum pH of 10.0. MAGOX will also stabilize the polymer, viscosifiers and fluid loss agents against temperature degradation at temperatures above 120°C.(250°C) Recommended concentrations range from 2 to 6 kg/m3 (0.7 to 2.1 lb/bbl).

Advantages

- Effectively pH buffer.
- Polymer stabilizer.

Toxicity and Handling

HOCNF is available upon request.

Safety goggles and gloves are recommended when handling this product. Wear respirator if there is dust formation. In case of contact with eyes, flush with water. MAGOX does not have a restricted classification for transportation.

Packaging and Storage

Standard pack unit: 22,7-kg (50-lb) sacks Other pack unit: on request.

Store in a cool, dry place.

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