

MAGNESIUM OXIDE

Calcined Magnesite

COAGULANT & ALKALINITY CONTROL

Magnesium Oxide can be used as a substitute for lime as a coagulant in clear water drilling and for alkalinity control in polymer systems where a high pH (above 11.0) is undesirable.

Any undissolved excess **Magnesium Oxide** will continue to dissolve at a slow rate to maintain a constant pH level of 10.7.

FEATURES & BENEFITS

- Readily available, economical and requires low treatment levels.
- Increases temperature range of polymers.
- Provides effective buffering action in high hardness and saturated salt brines.
- Can be used in brine drilling mud to act as a scoring agent.

MIXING & HANDLING

Magnesium Oxide can be added through the hopper or mixed directly to the system at a point of agitation. It is advisable to use a dust mask and eye protection while mixing **Magnesium Oxide** or any other powdered material.

WHMIS: Not controlled

TDG: Not regulated

Packaging: 50lb sack

PHYSICAL PROPERTIES:

Appearance: Light colored powder

Specific Gravity: 3.6

Bulk Density: 400 kg/m³

Melting Point: 2800°C

CHEMICAL PROPERTIES:

Type: Inorganic salt

Solubility: Not soluble

Charge Density: 10.7 maximum

