

## SNOWBRIGHT HYDRATED ALKALINITY CONTROL

**HYDRATED LIME** or Slaked Lime is Calcium Hydroxide,  $\text{Ca}(\text{OH})_2$ . LIME is used to provide a source of calcium and hydroxyl ions in both water-based and invert emulsion oil-based fluids.

### FEATURES AND BENEFITS:

- Controls pH and provides excess calcium.
- Used to treat bicarbonate/carbonate contamination.
- Used in clear water drilling as a source of calcium and pH.
- Used in Gyp/Calcium-based muds.
- Used in the brine phase of invert emulsion oil-based muds as alkalinity control and fatty-acid emulsifier activator

LIME additions to a bentonite-based fluid will cause flocculation of the system resulting in excessive rheology and filtration.

### RECOMMENDED TREATMENT:

0.5-1.0  $\text{kg}/\text{m}^3$  for pH control and to treat carbonate contamination.  
5-25  $\text{kg}/\text{m}^3$  for calcium-based fluid breakover.  
10-30  $\text{kg}/\text{m}^3$  for oil-based invert emulsion muds.

### PHYSICAL PROPERTIES:

Appearance: White powder  
Specific Gravity: 2.3-2.4  
Solubility: Slightly soluble  
pH: 12 (saturated solution)

### MIXING/HANDLING:

Add pre-mixed in water via the chemical barrel. Exercise caution while mixing. Refer to the SDS for specific handling requirements.

**MICROTOX® THRESHOLD: TBD**

**PACKAGING:** 22.68 kg bag / 50 bags/pallet