

ChemSol

DRILLING FLUID PRODUCTS

LIME (CALCIUM HYDROXIDE)

PRODUCT DESCRIPTION

Lime is used as an economical additive for the following applications: increasing pH; providing excess LIME as an alkalinity buffer; flocculating Bentonite muds; removing soluble carbonate ions; controlling corrosion; and activating fatty-acid, oil-based mud additives.

RECOMMENDED TREATMENT

Normal treatments for LIME depend on the system. The three levels of LIME concentration are often described as:

Low Lime: 0.5 – 2.0 lb/bbl

Medium Lime: 2.0 – 5.0 lb/bbl

High Lime: 5.0 – 15.0 lb/bbl

PRODUCT ADVANTAGES

- Widely available economical source of calcium and alkalinity.
- Lime is a safer alternative to Caustic Soda to provide alkalinity for corrosion protection.

TYPICAL CHEMICAL SPECIFICATION AND PROPERTIES

Physical Appearance:	White Powder
Typical Bulk Density:	138lb/ft ³
Solubility @ 68°F (20°C)	0.165g/100ml water
pH (1% Solution):	12.4
Specific Gravity:	2.2

PRODUCT HANDLING

Review all product specification and MSDS information prior to product application. Utilize chemical handling equipment and personal protection apparel (i.e. goggles & gloves) as specified in product MSDS when handling this material. Avoid inhalation and direct contact with eyes.

STORAGE

Store Lime in a dry area away from water and acids.

PACKAGING

Lignite is available in 50lb multi-wall bags.