

# HYDRATED LIME

(Calcium Hydroxide)



Calcium Hydroxide  $[\text{Ca}(\text{OH})_2]$ , also known as Hydrated Lime, is a fine, odourless white powder commercially produced by reacting Quicklime with sufficient water. It is used in many applications, including food preparation, water treatment, soil stabilisation and can be added to water to produce *Milk of Lime*.

MMS Hydrated Lime (slaked lime), is a high quality calcium hydroxide product manufactured to a fine grain size which maximises the availability of  $[\text{Ca}(\text{OH})_2]$  for chemical processes.

Hydrated Lime is used for potable water, softening pH and removal of heavy metals and impurities from drinking water. Hydrated lime is a highly cost effective method for treating sewage sludge and animal waste from concentrated animal feeding operations.

| MMS HYDRATED LIME              |         |          |
|--------------------------------|---------|----------|
| PROPERTIES                     | TYPICAL | RANGE    |
| CaO Available                  | 70.0%   | 68 - 72% |
| SiO <sub>2</sub>               | 0.07%   | 1.0% Max |
| Al <sub>2</sub> O <sub>3</sub> | 0.20%   | 0.5% Max |
| Fe <sub>2</sub> O <sub>3</sub> | 0.1%    | 0.2% Max |
| MgO                            | 1.0%    | 1.5% Max |
| pH in slurry                   | 12.4    | 12 Min   |

## PRODUCT HANDLING & STORAGE

MMS Hydrated Lime is classified as a fine grain material suited to pneumatic and mechanical conveying systems. Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage, and sealed when not in use. Protect from moisture. Avoid inhalation and ensure to use the product in well ventilated areas.

## PRODUCT SAFETY INFORMATION

Personnel should wear protective clothing, dust-proof goggles, preferably face-shield, PVC or rubber gloves and impervious boots. While using in large quantities, wear coveralls. For full information, refer to the Safety Data Sheet for Hydrated Lime.

| Physical Properties | Typical               | Range                     |
|---------------------|-----------------------|---------------------------|
| Bulk Density        | 450 kg/m <sup>3</sup> | 400-600 kg/m <sup>3</sup> |
| Moisture Content    | 1%                    | 1% Max                    |

## Key Product Features and Benefits

- ☆ Used as a binder in livestock feed products
- ☆ Used as a source of Calcium supplement in animal feed products
- ☆ Acid Water Treatment
- ☆ Potable Water Softening
- ☆ Soil Stabilisation
- ☆ Acid Sulphate Soil Treatment
- ☑ Grind sizes available to customer requirements.
- ☑ Supplied with packaging options: 25 kg sacks and Bulker

