

TECHNICAL DATA SHEET

HYDRATED LIME

Micronised Mineral Solutions Pty Ltd (MMS) Hydrated Lime (slaked lime), is a high quality calcium hydroxide product manufactured to a fine grain size which maximises the availability of CaO for chemical processes. Hydrated Lime is also used in soil stabilisation.

POTENTIAL USES

- ☆ Acid Water Treatment
- ☆ Potable water softening
- ☆ Soil Stabilisation
- ☆ Acid Sulphate Soil Treatment

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. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PRODUCT SAFETY INFORMATION

Personnel should wear protective clothing, dust-proof goggles, preferably faceshield, PVC or rubber gloves and impervious boots. While using in large quantities, wear coveralls. Care should be taken to protect the product from moisture as it swells when moist and may burst containers. For full information, refer to the Safety Data Sheet for Hydrated Lime.

PROPERTIES	METHOD	HYDRATED LIME	
		TYPICAL	RANGE
CaO Available	AS4489-1997	70.0%	68 - 72%
SiO ₂	XRF	0.07%	1.0% Max
Al ₂ O ₃	XRF	0.20%	0.5% Max
Fe ₂ O ₃	XRF	0.1%	0.2% Max
MgO	XRF	1.0%	1.5% Max
pH in slurry	AS4489-1997	12.4	12 Min

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

Sieve Analysis	Typical	Range
150 µm	100%	100%
75 µm	92.0%	87.7 - 97.9%
45 µm	81.96%	74.5 - 88.8%

COMPANY INFORMATION

Micronised Mineral Solutions Pty Ltd (MMS) was incorporated in 2007 to provide a comprehensive suite of industrial minerals to the gas & oil, mining and agricultural sectors of Northern Australia. A local Northern Territory company that prides itself on a whole of service approach offering product development, in house and independent laboratory testing, engineering and construction of water discharge systems. Strategically located in East Arm Port and Darwin Rail districts, the company has grown to a position of strength and has a dedicated industrial milling operation with annual capacity of up to 100,000 tonnes production. Proud owners of Mineral deposits located throughout the NT containing Calcium Carbonate and Barium Sulphate.

SPECIALISED SERVICES

- ◆ pH Management and Control
- ◆ High Effective Neutralisation Value product for acidic soils
- ◆ Specialised Soil Stabilisation products
- ◆ Drilling products for Oil & Gas Industry
- ◆ Supply of Quicklime to industries
- ◆ Liquid Fertilisers

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