

TECHNICAL DATA SHEET

MMS Calci Flour

CALCIUM CARBONATE

Micronised Mineral Solutions Pty Ltd manufactures MMS Calci Flour, a high quality calcium carbonate product ground to a fine grain size. MMS Calci Flour is specially formulated to maximise the Effective Neutralisation Value (ENV) creating an effective neutralisation agent for acid soils. MMS Calci Flour also has significant water pH buffering and soil capabilities.

MMS Calci Flour is a locally manufactured product with unique features:

- ☆ It has 3 to 5 times greater acid neutralisation force than most common agricultural limes.
- ☆ Higher Effective Neutralisation Values (ENV) reduce spreading time and corresponding labour costs.

PRODUCT HANDLING & STORAGE

MMS Calci Flour is classified as a fine grain material and is suited to pneumatic and mechanical conveying systems. Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Store removed from direct sunlight. 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 dust-proof goggles, PVC or rubber gloves and impervious shoes. While using in large quantities, use coveralls. For more information, refer to Safety Data Sheet for **Calcium Carbonate**.

Physical Properties	Typical	Range
Grain Size (<100 μm)	>95% passing	90-100%
Surface Area	930 m^2	900-1000 m^2
Bulk Density	1100 kg/m^3	1050-1200 kg/m^3

PROPERTIES	METHOD	MMS Calci Flour	
		TYPICAL	RANGE
CaO Available	AS4489-1997	52%	50 - 52%
CaCO ₃	AS4489-1997	94.0%	94 - 98%
Effective Neutralisation Value (ENV)	AS4489-1997	96.7%	95% Min
SiO ₂	XRF	2.0%	2.0% Max
Al ₂ O ₃	XRF	1.0%	1.0% Max
Fe ₂ O ₃	XRF	0.1%	0.1% Max
MgCO ₃	AS4489-1997	0.5%	2.0% Max
pH in slurry	AS4489-1997	7	6.8 - 7.5

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

10, Campion Road, East Arm, Berrimah 0828, NT, AUSTRALIA
Tel: (08) 8947 1872 www.micronisedminerals.com.au



Barite • Quicklime • Hydrated Lime • Dolomite • Calcium Carbonate • Enviro Catalyst • Bentonite