



Product Description

Micronised Mineral Solutions (MMS) Calci-Flour is a high quality Calcium Carbonate product ground to mean average particle size of 20 microns. The Calci-flour manufacturing process has been engineered to maximise the materials Neutralisation Value (NV) to create an effective balancing agent for low pH soils.

What is Calcium Carbonate?

Calcium Carbonate, known as limestone (CaCO_3), is a naturally occurring sedimentary rock comprised mostly of calcite and aragonite, which are different crystal forms of calcium carbonate.

Applications

Calcium carbonate is a primary component of Agricultural lime, also known as Ag-lime which is used for neutralising acidic soil and to enhance soil quality. The same acidic neutralizing effect is used in the civil industry for the treatment of potential acid sulphate soils to remove the potential development of sulfuric acid.

Agricultural:

Calcium carbonate when added to soil, acts as a rich source of calcium for plants and increases the pH and water-retaining capacity of acidic soils. This process also improves plant uptake of essential nutrients including nitrogen, phosphorus and potassium.

Note on neutralising value

Approximation of Neutralising Value can be made by $\text{CaCO}_3 + (2.5 \times \text{MgO})$. Neutralising Value is a calculated adjustment of the Neutralising Value, using the fineness of the lime. Lime retained on an 850 μm sieve is estimated to be only 10% effective. Lime in the 300-850 μm sieve range is estimated to be only 60% effective, while lime passing the 300 μm sieve is estimated to be 100% effective.

Source: Report on sample of Lime, 2016, SWEPT Pty. Ltd.

Packaging options:

- ☒ 500 kgs Bulker Bags
- ☒ 1000 kgs Bulker Bags
- ☒ 1200 kgs Bulker Bags

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.

PROPERTIES	METHOD	TYPICAL
CaO Available	AS4489-1997	37%
CALCIUM CARBONATE	AS4489-1997	80%
ENV	AS4489-1997	>95%
SILICON DIOXIDE	XRF	2.5%
ALUMINIUM OXIDE	XRF	0.9%
IRON OXIDE (Fe_2O_3)	XRF	0.6%
MAGNESIUM OXIDE	AS4489-1997	8%
Mean Avg particle size	-	20 μm
pH in slurry	AS4489-1997	8 - 10

Contact points:

Email: sales@micronisedminerals.com
Phone: +61 8 8947 1872
Micronised Minerals Australia
ABN 67 126 378 318
10, Campion Road, East Arm NT 0828

PHYSICAL PROPERTIES	
Grain size <100 μm	>95% passing
Surface Area kg	900 -1000 m^2
Bulk Density	1050 - 1200 kg/m^3

Disclaimer

Users of any information, or any product referred to (in this product data sheet) must: determine themselves whether the information or product is suitable for their intended use; monitor/control any risks associated with the information or product; and seek professional advice in relation to the use of this product. Failure to do so may result in unwanted results or may cause serious damage or injury.

To the extent permitted by law, Micronised Minerals Solutions Pty Ltd makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Micronised Minerals Solutions assume any liability whatsoever arising out of the application or use of any product.