

Safety Data Sheet

CAWTE INDUSTRIES

Cawte's Ag-Lime Pty Ltd
 A.B.N. 97 008 197 886
 Brinkley Road Murray Bridge S.A.
 PO Box 1356 Murray Bridge 5253

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SAFETY DATA SHEET

Date of Issue - 1st January 2018

IDENTIFICATION

Product Name – **Agricultural Lime**

Other Names – Cawte's Stock Lime, Cawte's Natural Soil Conditioner, Cawte's Carbonate.

PHYSICAL DESCRIPTION / PROPERTIES

Specific Gravity (20°C):	2.7	Melting Point (°C):	825°C
Vapour Pressure (air = 1)	Not Applicable	Boiling Point (°C):	Not Applicable
Flash Point (°C):	Not Applicable	Formula:	CaCO ₃ .
Flammability Limits (% in air)	Not Applicable	Solubility in Water	1.3mg/100g @ 18°C
Appearance, Odour:	White / Cream - Odourless		pH: Not Applicable

MAIN USAGES

Cropping-Top Dressing Pastures- Garden Beds – Animal Health & Nutrition

Liming is the most effective way to correct soil acidity problems and to ensure the long term productivity of the soil. Applying Lime to an Acid Soil will:

- Raise Soil pH -Reduce Aluminium Toxicity-Increase the availability of Molybdenum
- Increase Soil Levels of Calcium-Enhance Nodulation of Legumes-Encourage Earthworm Activity.

Liming is recommended when soil pH is about 4.5 or less. Lime has a major role in reversing the effects of soil acidification, continued acidification will lead to low soil fertility and loss of productivity. Lime is the **most effective** means of neutralising the acid in the soil and sustaining good pasture and crop production. Finely ground limestone has **proven** a most **cost effective** way of obtaining Higher Levels of Calcium in Stock, such as **Cattle- Sheep-Pigs-Horses**, also to aid in **egg Producing Poultry** by adding much needed **Calcium** for harder egg shells etc.

CHEMICAL ANALYSIS & PARTICLE SIZE

This Product is Made Up Of: - Bakara limestone

Composition: - Ca. CaCarb. MgO Neutralising Value ENV (effective Neutralising Value)
 31.9 78 2.2 87% 69%

Odour: - None

Colour: - Mainly White – Cream

Particle Size: - 00.000mm-0.125mm > 52.4%
 - 0.125mm - 0.250mm > 12.1%
 - 0.250mm - 0.500mm > 11.8%
 - 0.500mm - 1.000mm > 16.6%
 - 1.000mm - + > 7.07%

This product is mined, crushed and sieved at Murray Bridge.

HEALTH HAZARD INFORMATION

Acute Effects:

While the information contained herein is correct to the best of our knowledge Cawte's Ag-Lime Pty Ltd herein disclaims any warranties as to the accuracy of the same recommendations or suggestions are made without guarantee or representation as the result, as the conditions of use are beyond our control. All material are sold subject to Cawte's Ag-Lime Pty Ltd standard terms and conditions of sale and the condition that buyer shall make his own tests to determine the suitability of such product for the buyer's purposes. No statement contained herein shall be construed as a recommendation to infringe any patent. If this MSDS is more than 2 years old, please enquire if any revisions have been made prior to its use. This Material Safety Data Sheet was prepared from information provided by Cawte's Ag-Lime Pty Ltd, with approval from Cawte's Ag-Lime Pty Ltd.

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Swallowed: No adverse effects expected. Ingestion of large quantities may result in internal obstruction/constipation or discomfort.

Eye: May cause mild irritation.

Skin: Repeated or prolonged exposure may have a drying effect on the skin. May cause very mild skin irritation in some individuals.

Inhaled: May cause irritation to respiratory tract. Symptoms include sneezing or slight nose irritation.

Chronic Effects: No chronic effects information is available for this product.

FIRST AID

Skin: If skin irritation develops, wash skin with soap and water, if necessary seek medical advice.

Eyes: Irrigate with clean gently flowing water for 10 minutes holding the eye(s) open. If irritation develops, seek medical advice.

Inhalation: Remove to fresh air.

Ingestion: Rinse mouth with water. Do not induce vomiting. Drink 200-300ml of water to dilute material in stomach. Seek medical advice if required. (Note: never give anything by mouth if patient is losing consciousness or convulsing).

PRECAUTIONS FOR USE

Exposure Standards TLV/TWA of Inspirable dust is 10mg/m³, for Calcium Carbonate.

Exposure Standard (TWA) is the time weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to nearly all workers.

Engineering Controls Ventilation: General; local exhaust ventilation as necessary to control any air contaminants, to within their TLV's, in the use of this product.

Personal Protection Respirator Type: Where engineering controls or work practices do not control exposure to required standards it is advisable to wear a Dust/ Mist Respirator (class P1) complying with AS 1716(1991). Protective Gloves: if desired, not necessary. Eye Protection: Safety Glasses where considered necessary. Clothing: Overalls or similar protective clothing.

Flammability Fire Hazards: Non flammable; Source of Ignition: Not Applicable.

Reactivity Stability: Stable in ambient conditions.

Incompatibility: Reacts with acids to produce carbon dioxide.

Hazardous Decomposition Products: none; Reactivity in water: none

SAFE HANDLING INFORMATION

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Storage and Transport Avoid breakage of bagged material or spills of bulk material. Use

dustless systems for handling, storage and clean up so that airborne

Dust does not exceed TWA. Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Environmental Impact Refer to State Land Waste Management Authority.

Fire/ Explosion Hazard

Non Flammable

Hazard

FIRE FIGHTING MEASURES

Fire Fighting Not Combustible.

Procedures Decomposes on heating liberating carbon dioxide. Reacts with some acids producing carbon dioxide gas.

Special Fire Fighting Not Applicable

Precautions

PRODUCTS BEST ADVANTAGES

Cawte's Agricultural Lime has an **Effective Neutralising Value** of between 69% and 71%, and **Laboratory Neutralising Value** of **78% to 87%**, as per Chemistry Laboratory Tests conducted March 2009.

Cawte's Agricultural Lime has been Mined, Crushed and Sieved at the Murray Bridge Quarry for near of 70yrs. It was found that the "Bakara Limestone", was both of good quality, and also **Highly Soluble**, enabling it to get straight to work on first application. Cawte's Lime also has a "Gypsum" like effect on hard clay based soils, as it enhances water penetration and aeration. Applications of Lime will vary from soil to soil, area to area.

Cawte's **Stock Lime** is of the exact same quality as it's sister, **Ag-Lime** and proper Nutritional advise should be taken for Animal Needs.

EMERGENCY NUMBERS

Business Hours - Neville Cawte (08) 85321555

- A/Hrs (08) 85310444 / 0418825489

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