



**GRAYMONT**

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Graymont Australia Fine Limestone Products**  
 Other means of identification: ATTUNGA -45MM FINE GLS HIGH CALCIUM LIMESTONE;  
 BUCHAN -850MM GLS STOCKFEED HIGH CALCIUM LIMESTONE;  
 CAROLINE -250M UNICAL HIGH CALCIUM LIMESTONE;  
 MURGON -250MM FINE GLS HIGH CALCIUM LIMESTONE;  
 RIVERTON -500MM FINE GLS HIGH CALCIUM LIMESTONE;  
 RIVERTON -250MM FINE GLS HIGH CALCIUM LIMESTONE;  
 RIVERTON -45MM FINE GLS HIGH CALCIUM LIMESTONE;  
 TRARALGON -150MM FINE GLS HIGH CALCIUM LIMESTONE;  
 TRARALGON -75MM FINE GLS HIGH CALCIUM LIMESTONE;  
 BUCHAN -850MM GLS AGLIME HIGH CALCIUM LIMESTONE

Product Use: Used in acid sulphate soil remediation, and as a calcium supplement and pH soil modifier

Australian supplier: Level 9, 118 Mount St North Sydney 2060, Australia

Tel: +1800 931 063  
 Australian Emergency No +1800 638 556  
 13 11 26 (National Poison Centre)

Website: www.graymont.com

Date of SDS Preparation: 20 October 2022

### Section 2. Hazards Identification

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

#### Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Carcinogenicity Cat. 1	H350	May cause cancer.

Prevention Code	Prevention Statement
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities as per Section 13.

### Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Calcium Carbonate	95-100	471-34-1
Crystalline Silica (Quartz)	<1	14808-60-7
Non hazardous ingredients	To bal	

### Section 4. First Aid Measures

Routes of Exposure:

**If in Eyes** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

**If on Skin** Wash thoroughly with water and soap. If symptoms develop and/or persist seek medical attention.

**If Swallowed** Wash out mouth with water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention. If symptoms develop and/or persist seek medical attention.

**If Inhaled** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If symptoms develop and/or persist seek medical attention.

#### Most important symptoms and effects, both acute and delayed

**Symptoms:** REFER TO SECTION 11 for full details.

**Ingestion:** Not applicable.

**Inhalation:** Not applicable.

**Skin:** Not applicable.

**Eye:** Not applicable.

**Chronic:** May cause cancer.

**Notes to Doctor:** Treat symptomatically.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	This product is not combustible.
<b>Hazards from products</b>	The product is not combustible, however the packaging may burn under fire conditions. At 825°C calcium carbonate (calcite) decomposes and gives off carbon dioxide and corrosive fumes of calcium oxide.
<b>Suitable Extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Precautions for firefighters and</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) operated in positive pressure

<b>special protective clothing</b>	mode. Fight fire from safe location.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

<b>Section 6. Accidental Release Measures</b>
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**Personal precautions:**

Put on appropriate personal protective equipment (see Section 8). Increase ventilation. Evacuate all non-essential personnel.

**Environmental precautions:**

If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with Local Regulations.

**Clean up procedures:**

Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste safely, according to local Council regulations as per Section 13.

<b>Section 7. Handling and Storage</b>
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**Precautions for Handling:**

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid inhalation of dust, and skin or eye contact.
- Use only in a well ventilated area.
- Wash hands thoroughly after handling and prior to eating, drinking, smoking or using toilet facilities.
- Avoid exposure.
- Use personal protective equipment as required.
- Keep containers sealed when not in use.
- Prevent build-up of dust in work atmosphere.

**Precautions for Storage:**

- Keep out of reach of children.
- Store locked up.
- Store in a cool, well-ventilated place out of direct sunlight and moisture.
- Keep container tightly closed.
- Store in suitable, labbed containers.
- Store to away from incompatible materials listed in Section 10.

<b>Section 8 Exposure Controls / Personal Protection</b>
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**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Calcium carbonate [471-34-1]	-	10	-	-
Silica-Crystalline (all forms)	-	0.05	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13<sup>TH</sup> EDITION.

**Engineering Controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from workers breathing zone. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

### Personal Protection Equipment



<b>Eyes</b>	Safety glasses with full face shield should be used. Should conform with AS1337.
<b>Hands</b>	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Should conform with AS2161.1
<b>Skin</b>	Suitable protective work wear, eg cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities handled.
<b>Respiratory</b>	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to AS 1715, Selection, Use and Maintenance of Respiratory Protective Devices and AS1716 Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Powder
<b>Colour</b>	Off White
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	9.0 (aqueous slurry)
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	825°C (calcium carbonate (calcite) decomposes)
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Noncombustible
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	2.70 to 2.80
<b>Water Solubility</b>	Insoluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	The product is stable under normal storage and handling conditions. At 825°C calcium carbonate (calcite) decomposes and gives off carbon dioxide and corrosive fumes of calcium oxide.
<b>Possibility of hazardous reactions</b>	Not available.

<b>Conditions to Avoid</b>	Extreme temperature, and direct sunlight. Dust accumulation.
<b>Incompatible Materials</b>	Strong oxidising agents, strong acids, ammonium salts and fluorine.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable however may irritate the gastric tract causing nausea, vomiting.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not triggered however inhalation of dusts may irritate the respiratory system. Breathing of dust may cause shortness of breath, and aggravate asthma and inflammatory or fibrotic pulmonary disease. Chronic exposure to this material may aggravate existing respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.  Repeated exposure to respirable crystalline silica dust may lead to silicosis or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased and may also lead to other diseases including heart disease and scleroderma.
<b>Eye</b>	Not classified however may result in mild abrasion.
<b>Skin</b>	Not classified however skin contact may cause mechanical irritation resulting in redness and itching. Prolonged or repeated contact with the skin in the absence of proper hygiene, may cause dryness and dermatitis.

### Chronic Effects:

<b>Carcinogenicity</b>	May cause cancer by inhalation.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

No ecological data available for this materials.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	This product is not expected to deplete the ozone layer.

Prevent material entering waterways, drains and sewers.

## Section 13. Disposal Considerations

### Disposal Method:

The disposal of the spilled or waste material must be done in accordance with Local Regulations.

**Precautions or methods to avoid:** None known.

## **Section 14                      Transport Information**

**This product is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).**

## **Section 15                      Regulatory Information**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Restrictions of use: None known.

## **Section 16                      Other Information**

### **Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### **References:**

#### **Australia:**

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

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