



GRAYMONT

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Graymont Australia Coarse Limestone Products**
Other means of identification: ATTUNGA 0.25MM – 1MM DEDUSTED HIGH CALCIUM LIMESTONE; ATTUNGA 1 - 4MM DEDUSTED HIGH CALCIUM LIMESTONE; CAROLINE -2.0MM GLS STOCKFEED HIGH CALCIUM LIMESTONE; CALLIOPE STONE DUST HIGH CALCIUM LIMESTONE; MURGON NEUTRA LIME HIGH CALCIUM LIMESTONE; RIVERTON 1 – 3MM CALGRIT HIGH CALCIUM LIMESTONE

Product Use: Used in acid sulphate soil remediation, and as a calcium supplement and pH soil modifier; as industrial filler; and calcium in stock feeds.

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

Tel: +1800 931 063
Australian Emergency No: 1-800-074-234 (English)
Available 24 hours a day / 7 days a week

Asia-Pacific (outside Australia): 65 3158 1074 (English, Bengali, Cantonese, Indonesian, Hindi, Japanese, Korean, Malay, Sinhalese, Urdu, Tagalog, Thai, Vietnamese)
Available 24 hours a day / 7 days a week

Website: www.graymont.com

Date of SDS Preparation: 23 March 2023

Section 2. Hazards Identification

NOT classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Section 3. Composition / Information on Hazardous Ingredients

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

Contains <0.1% respirable crystalline silica in the form of quartz.

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.

Notes to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	This product is not combustible.
Hazards from products	The product is not combustible, however the packaging may burn under fire conditions. At 825 ^o C calcium carbonate (calcite) decomposes and gives off carbon dioxide and corrosive fumes of calcium oxide. Under fire conditions this product may emit toxic and/or irritating fumes and gases such as fumes of calcium oxide.
Suitable Extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Precautions for firefighters and special protective clothing	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

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.

Section 7. Handling and Storage

Precautions for Handling:

- 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.
- Keep containers sealed when not in use.
- Prevent build-up of dust in work atmosphere.

Precautions for Storage:

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

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
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 13TH 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



Eyes	Safety glasses with full face shield should be used. Should conform with AS1337.
Hands	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
Skin	Suitable protective work wear, eg cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities handled.
Respiratory	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

Appearance	Powder
Colour	White to off white
Odour	Odourless
Odour Threshold	Not available
pH	9.0 (aqueous slurry)
Boiling Point	Not available
Melting Point	825°C (calcium carbonate (calcite) decomposes)
Freezing Point	Not available
Flash Point	Not available
Flammability	Non combustible
Upper and Lower Explosive Limits	Not available

Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	2.70 – 2.80
Water Solubility	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	825°C
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	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.
Possibility of hazardous reactions	Not available.
Conditions to Avoid	Extreme temperature, and direct sunlight. Dust accumulation.
Incompatible Materials	Strong oxidising agents, strong acids, ammonium salts.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes. At 825°C calcium carbonate (calcite) decomposes and gives off carbon dioxide and corrosive fumes of calcium oxide.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable however may irritate the gastric tract causing nausea, vomiting.
Dermal	Not applicable.
Inhalation	Not triggered however inhalation of dusts may irritate the respiratory system. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.
Eye	Not classified however may result in mild abrasion.
Skin	Not classified however skin contact may cause mechanical irritation resulting in redness and itching.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

No ecological data available for this materials.

Persistence and degradability	No data available
Bioaccumulation	No data available

Mobility in Soil	No data available
Other adverse effects	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 NOT 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

NOT 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 ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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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