

1: Identification of Material and Supplier

1.1 Product identifier

Product Name: Limestone/ fine grade limestone
Other Names: Agricultural Lime, Calcium Carbonate, Limestone

1.2 Uses and uses advised against

Use(s): Agricultural Liming, Chemical Processing, Calcium Supplement, Filler, industrial Applications, Manufacture of Cement, Raw Material, Neutralising Agent, Soil Treatment, Paving Materials, Bricks

1.3 Details of the supplier of the product

Supplier name: Batesford Quarry
Address: 240 Fyansford-Gheringhap Rd, Fyansford, Victoria, 3218, PO Box 120, Geelong, Victoria, 3220
ABN: 90 577 930 8561
Telephone: (03) 5222 7100
Email: Mark.malone@batesfordquarry.com.au
Website: www.batesfordquarry.com.au

1.4 Emergency telephone numbers

Contact: Mark Malone
Business Hours: (03) 5222 7100
After Hours: 0409 590 139
Emergency A/H: 13 11 26 (Poisons Information Centre)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classified as Hazardous according to Safe Work Australia Criteria

GHS Classification(s): Specific Target organ Systemic Toxicity (Repeated Exposure): Category 2

2.2 Label Elements

Signal Word: Warning

Pictogram:



Hazard Statement(s):

H373 May cause damage to organs through prolonged exposure.

Prevention Statement(s):

P202 Do not handle until all safety precautions have been read and understood.

P261 Do not breathe dust/fume/gas/mist/vapours/spray.

P281 Use personal protective equipment as required.

Response Statement(s):

P312 Call a POISON CENTRE or doctor/physician if you feel unwell

P314 Get medical advice/attention if you feel unwell

Storage Statement(s):**Disposal Statement(s):**

P501 Dispose of contents/container in accordance with relevant regulations.

2.3 Other Hazards

No information

Section 3: Composition/Information on Ingredients

3.1 Substances / Mixtures

Name	CAS No.	Content (%)
Limestone (calcium carbonate)	1317-65-3	70 – 90
Aluminium Oxide	1344-28-1	<10
Iron (III) Oxide	1309-37-1	<10
Crystalline silica - quartz	14808-60-7	2-4
Lead	-	<10 mg/kg
Cadmium	-	<1 mg/kg

Ingredient notes

Approximately 1% of this material is composed of particles less than 7 microns in diameter (i.e. in the respirable particle size range)

Section 4: First Aid Measures

4.1 Description of first aid measures

Eye:	Irrigate with copious quantities of water for 15 minutes with eyelids held open Do not rub eyes In all cases of eye contamination, it is recommended to seek medical advice
Inhalation:	Remove exposed person from source of exposure to fresh air Seek medical advice if effects persist
Skin:	Wash contaminated area of skin with water Remove contaminated clothing and launder before re-use Seek medical advice if irritation develops or persists
Ingestion:	Rinse mouth and lips with water If swallowed, give plenty of water to drink Do not induce vomiting Seek medical advice if symptoms persist
First aid facilities:	Eyewash Facilities should be available

4.2 immediate medical attention and special treatment

Treat symptomatically

Section 5: Fire Fighting Measures

5.1 Extinguishing media

Use of an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non-flammable. May evolve toxic gasses if strongly heated.

May conduct extreme Heat if mixed with acids.

5.3 Advice for fire fighters

No fire hazards exist.

5.4 Hazchem code

None allocated

Section 6: Accidental Release Measures

6.1 Personal Precautions

Wear personal Protective equipment as detailed in section 8 of the SDS.

6.2 Environmental Precautions

Prevent Product from entering drains and waterways.

6.3 Methods of cleaning up

Contain spillage keep moist and place into suitable containers for disposal or reapplication.

Within enclosed environments clean spill area with wet methods or an approved industrial vacuum device. Avoid generating dust.

6.4 Reference to other sections

Section 8 Exposure controls / Personal protection.

Section 13 Disposal controls

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands prior to eating, drinking and smoking in contaminated areas

7.2 Conditions for safe storage

Store in a cool place, dry, well ventilated area, removed from incompatible substances. Ensure material is well Marked. If stored in containers, ensure containers are adequately labelled

7.3 Specific end use(s)

No information

Section 8 – Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Standards

Chemical	CAS Number	TWA		STEL	
		ppm	Mg/m3	ppm	Mg/m3
Calcium Carbonate (limestone)	1317-65-3	-	10	-	-
Calcium Oxide (lime)	1305-78-8	-	2	-	-
Aluminium Oxide	1344-28-1	-	10	-	-
Crystalline silica - quartz	14808-60-7	-	0.1	-	-

Biological limits

No biological limits have been added for this product.

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8.2 Exposure controls

Engineering Controls: Avoid inhalation. Use in well ventilated areas. Where inhalation risk exists a mechanical extraction, ventilation is recommended. Maintain dust levels below the recommended exposure limits.

Personal Protective Equipment (PPE):

Eye/face: Wear safety glasses or dust proof goggles when handling material to avoid contact with eyes.

Hands: Wear PVC, Rubber or cotton gloves when handling material to prevent skin contact.

Body: Wear long sleeved shirt, long trousers or overalls.

Respiratory: Where inhalation exists wear a class P1 (particulate) Respirator, dependent on the site-specific risk assessment.



Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	White to grey solid or powder
Odour	Odourless
Flammability	Non-flammable
Flash point	N/A
Boiling point	>800°C
Melting point	>800°C
Evaporation rate	N/A
PH	12 at 5g/100ml
Vapor density	N/A
Specific gravity	2700kg / m ³
Solubility (water)	Not available
Vapor pressure	Not available
Upper explosion limit	Not relevant
Lower explosion limit	Not relevant
Partition coefficient	Not available
Autoignition temperature	Not relevant

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Decomposition temperature	>800°C
Viscosity	Not available
Explosive properties	Not explosive
Oxidising properties	Not available
Odour Threshold	Not relevant
Bulk density	1000-1200kg / m ³
Particle size	1% less than 7 µm

Section 10 – Stability and Reactivity

10.1 Reactivity

Carefully review all information provided in 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 conditions to avoid

Avoid contact with incompatible substances.

10.5 incompatible materials

Incompatible with acids (e.g. nitric acid), fluorine, aluminium (Hot) and ammonium salts.

10.6 Hazardous decomposition products

This material will not decompose to form hazardous products.

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:	This product is expected to be of a low toxicity, under normal conditions of use adverse health effects are not anticipated. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation
Skin:	Limestone dust: May cause irritation through mechanical abrasion.
Eye:	Limestone dust: May cause irritation Through mechanical abrasion.
Inhalation:	Repeated inhalation of respirable crystalline silica (quartz) may cause silicosis, a fibrosis (scarring) of the lungs. Silicosis is irreversible and may be fatal. Silicosis increases the risk of contracting pulmonary tuberculosis. Some studies suggest that repeated inhalation of respirable crystalline silica may cause other adverse health effects including lung and kidney cancer

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Carcinogenicity: Repeated or prolonged breathing of silica dust may result in a chronic disease of the lung. The International Agency for Research on Cancer (IARC – Monograph 68) has classified exposure to respirable crystalline silica as a Group 1 carcinogen.

mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive: Not expected to be a reproductive hazard.

Symptoms related to the physical, chemical and toxicological characteristics:

Limestone dust: Discomfort in the chest. Shortness of breath. Coughing

Aspiration: No respiratory sensitizing effects known.

STOT- Single Exposure:

Not classified as causing organ effects from single exposure.

STOT- Chronic Exposure:

Repeated exposure to respirable silica may result in pulmonary fibrosis (silicosis) Silicosis is a fibronodular lung disease caused by deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness.

Section 12 – Ecological Information

12.1 Toxicity

Not expected to be harmful to aquatic organisms. Discharging limestone dust and fines into waters may increase total suspended particulate (TSP) levels that can be harmful to certain aquatic organisms.

12.2 Persistence and degrading

Not applicable.

12.3 Bio accumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 other adverse effects

No other adverse environmental effects

Section 13 – Disposal Considerations

13.1 Waste Treatment methods

Waste disposal: Do not allow fine particulate matter to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with fine particulates. Dispose of to approved council Landfill. Contact the manufactures/supplier for additional information (if required)

Legislation: Dispose of in accordance with the relevant legislation

Section 14 – Transport Information

Not classified as a dangerous good by the criteria of the ADG code, IMDG or IATA

Transport type	Land transport (ADG)	Sea transport (IMDG/IMO)	Air transport (IATA/ICAO)
14.1 UN Number	None allocated	None allocated	None allocated
14.2 Proper shipping name	None allocated	None allocated	None allocated
14.3 Transport Hazard class	None allocated	None allocated	None allocated
14.4 Packing Group	None allocated	None allocated	None allocated

14.5 Environmental hazards:

No information provided

14.6 Special precautions for user:

No Hazchem code allocated for this product

Section 15 – Regulatory Information

15.1 Safety, health and environment regulations/ legislation specific for the substance or mixture:

Poisons Schedule: A poison schedule number has not been allocated for this product using the criteria in the standard for the uniform scheduling of medicines and poisons (SUSMP).

Classifications: Safe work Australia criteria is based on the globally harmonised system (GHS) of classification and labelling of chemicals

The classifications and phrases listed bellow are based on the Approved Criteria for Classification Hazardous Substances **[NOHSC:1008(2004)]**

Hazard Codes: Xn Harmful

Risk phrases: R48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases: S22 Do not breathe dust.

This material is classified as hazardous according to criteria of Safe Work Australia.

This material is not classified as a dangerous good under the criteria of the 7th Australian Dangerous Goods Code.

Section 16 – Other Information

Additional information:

Personal protective guidelines:

The recommendation for personal protective equipment contained within this report is provided as a guide only. Attributing factors such as the method of application, working environment, quantity used, product concentration and controls being readily available.

Health effects and exposure:

The adverse effects of exposure depend several factors; This may include effectiveness of control measures in place, protective equipment and the methods of application. The user will assess the risk and apply the appropriate controls and methods where appropriate.

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Abbreviations:

CAS#	Chemical abstract service number
GHS	Globally harmonised system
Mg/m ³	milligrams per cubic metre
OEL	occupational exposure limit
pH	relates to hydrogen ion concentration using scale of 0 (highly acidic) to 14 (highly alkaline)
ppm	parts per million
STEL	short term exposure limit
SUSMP	standard for the Uniform Scheduling of medicines and poisons
SWA	safe work Australia
TLV	threshold limit value
TWA	time weighted average

Revision History:

Revision	
2.0	Converted to GHS October 2019
1.0	Initial release February 2017

Literature References:

- SafeWork Australia ‘Hazardous Substances Information System’ (HSIS) online database.
- Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:3008(1995)] 3rd Edition (Updated for Amendments)
- National Transport Commission, *Australian Code for the Transport of Dangerous Goods by Road and Rail*, 7th Edition, Commonwealth of Australia 2007.

[End of SDS]

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