

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Bio-Lime
Supplier Name: OPTIMA AGRICULTURE PTY. LTD.
ABN: 21 099 543 665
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Synonym(s): Crushed Limestone, Agricultural Lime
Uses: Horticulture, Turf and Broadacre usage to improve nitrogen efficiency, provide soluble and available calcium, improve phosphate availability strengthens plant cell walls and helps displace sodium and reduce acidity in the plant root zones.

2. HAZARDS IDENTIFICATION

This product is classified as hazardous according to Safe Work Australia criteria.
Not classified as a dangerous good by the criteria of the ADG Code.

GHS Classifications:

Skin Corrosion/Irritation: Category 2
Eye Damage/Irritation: Category 2A

SIGNAL WORD: WARNING

Pictogram:



Hazard Statement:

H315 Causes skin irritation
H318 Causes serious eye damage/irritation

Prevention Statements:

P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call POISONS INFORMATION CENTRE or doctor/physician.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Remove containment clothing and wash before re-use.

Disposal Statements:

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

UN No. None Allocated

Hazchem Code None Allocated

DG Class None Allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Conc. %	CAS No
Calcium Carbonate	60-95%	1317-65-3

4. FIRST AID MEASURES

Description of First Aid Measures:

Skin Contact: Wash affected skin with soap and water.

Eye Contact: Flush immediately with large amounts of water, lifting the upper and lower lids occasionally. Seek medical attention.

Ingestion: Rinse mouth and lips with water. Do Not induce vomiting. Give 1-2 glasses of water to drink. Seek medical attention.

First Aid Facilities: Eye wash station.

5. FIRE FIGHTING

Suitable Extinguishing Media:

Considered non-combustible. Use media appropriate to surrounding fire.

Fire Explosion Hazards:

Non-combustible. No known explosion hazards.

6. ACCIDENTAL RELEASE MEASURE

Emergency Procedures:

Spills do not normally need any special clean up measures.

This product will be suitable for approved landfill.

7. HANDLING AND STORAGE

- Handling:** Use of safe work practices are recommended for this product to avoid eye or skin contact. Observe good personal hygiene, including washing of hands before eating.
- Storage:** Store bulk supplies of this product in a cool, dry place away from foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure Limit Values:

No exposure standard have been established for this product.

Biological Limit Value:

No biological limit allocated.

Appropriate Engineering Controls:

Use with good general ventilation.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.

Eye Protection:

Avoid contact. Safety glasses, chemical goggles or full-face shield should be used.

Skin Protection:

Avoid skin contact. Wear rubber or P.V.C gloves in combination with coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & Colour:	Off white - tan coloured powder
Odour:	Slightly musty odour
Boiling Point:	Not Applicable
Freezing/Melting Point:	Not Applicable
Volatiles:	Not Available
Vapour Pressure:	Not Available
Vapour Density:	Not Available
Water Solubility:	20-40ppm
pH:	8.5
Flammability:	Non-flammable
Flash Point:	Not applicable
Bulk Density:	1400-1500kg/m ³

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions of storage and handling.

Reactivity:

Reacts with incompatible materials.

Incompatible Materials:

Incompatible with acids, fluorine, aluminium(hot) and ammonium salts

Hazardous Decomposition Products:

Under fire conditions this product may emit gasses including carbon dioxide and oxides of Nitrogen.

Hazardous Polymerisation:

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

No toxicology data available for this product.

Ingestion:

This product should not be consumed. Ingestion of large quantities may irritate the gastric tract causing nausea and vomiting.

Inhalation:

Low irritant. Over exposure may result in irritation of nose and throat, with coughing

Skin:

May be irritation to skin. The symptoms may include redness, itching and swelling.

Eye:

May be irritating to eyes. The symptoms may include redness, pain, irritation and tearing.

Respiratory Sensitisation:

Not expected to be a respiratory sensitiser.

Germ cell Mutagenicity:

Not considered to be a mutagenic hazard.

Carcinogenicity:

Not considered to be a carcinogenic hazard.

Reproductive Toxicity:

Not considered to be a toxic to reproduction.

Aspiration Hazard:

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Eco toxicity:

This product is not anticipated to cause adverse effects to animals or plant life if released to the environment in controlled quantities.

Persistence and Degradability:

Not available.

Mobility:

Not available.

Bio accumulative Potential:

Not available.

Environmental Protection:

Not harmful to the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Reuse or recycle where possible.

Legislation: Dispose in accordance with relevant legislation.

14. TRANSPORT INFORMATION

Not classified as a dangerous good by the criteria of the ADG Code.

U.N. Number:

None allocated.

U.N. Proper Shipping Name:

None allocated.

Transport Hazard Class(es):

None allocated.

IMDG Marine Pollutant:

No

15. REGULATORY INFORMATION

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 Schedule Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule:

Not scheduled.

Australian (AICS):

All components of this product are listed on the Inventory or exempted.

16. OTHER INFORMATION

Date of preparation of SDS:

June 2017.

References:

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australia Code for the Transport of Dangerous Goods by Road and Rail.

Workplaces exposure standards for airborne contaminants, Safe Work Australia.

Globally Harmonised Systems of classification and labelling of chemicals.

Note:

The information contained in this bulletin is offered on data that we believe to be reliable and has been prepared in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control.

END OF REPORT
