



## SECTION 1: MATERIAL AND SUPPLIER INFORMATION

**Product Name:** G-Lime, G-Lime plus magnesium, G-Lime plus trace elements

**Applicable In:** Australia

**Other Names:** Agricultural Lime, Calcium Carbonate, Limestone

**Recommended Use:** G-Lime may be used as a soil nutrient and conditioner. Also as an industrial filler.

**Company Details:** Independent Cement & Lime Pty Ltd  
750 Lorimer Street  
Port Melbourne, Vic 3207  
ABN 49 005 829 550

**Telephone:** VIC 03 9676 0000  
1300 766 399

**Facsimile:** VIC 03 9646 4954

This Material Safety Data Sheet (MSDS) is issued by Independent Cement & Lime Pty Ltd in accordance with the Code and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission – NOHSC). The information in it must not be altered, deleted or added to. Independent Cement & Lime Pty Ltd will not accept any responsibility for any changes made to its MSDS by any other person or organisation. Independent Cement & Lime Pty Ltd will issue a new MSDS when there is a change in product specifications and/ or ASCC standards, guidelines or regulations.

## SECTION 2: HAZARDS IDENTIFICATION

**Statement Of Hazardous Nature:** This product is classified as NOT Hazardous according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) approved criteria for classifying Hazardous Substances (NOHSC:1008) 3<sup>rd</sup> Edition. Non-dangerous Goods

**Risk Phrases:**

**Safety Phrases:**

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Proportion	CAS Number
Calcium Carbonate (CaCO <sub>3</sub> )	>80%	1317-65-3

## SECTION 4: FIRST AID MEASURES

- Swallowed:** Rinse mouth and lips with water. Do not induce vomiting. Give water to drink. If symptoms persist, seek medical attention.
- Eyes:** Flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. Do not attempt to remove solid particles embedded in the eye. If symptoms such as irritation, pain or redness persist, seek medical attention.
- Skin:** Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent irritation of the skin.
- Inhaled:** Remove to fresh air, away from dusty area. If symptoms persist, seek medical attention.
- Advice to Doctor:** Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

- Flammability:** Not flammable. Does not cause dust explosions.
- Suitable extinguishing media:** Not applicable.
- Hazards from combustion products:** None.
- Special protective precautions and equipment for fire fighters:** None.
- Hazchem Code:** None Allocated

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spills:** Spills are best cleaned up by a vacuum device to avoid generating airborne dust. Recommendations on Exposure Controls/ Personal Protection (see following sections) should be followed during spill clean-up. Keep out of sewer and storm water drains.

## SECTION 7: HANDLING AND STORAGE

- Handling:** Avoid breathing dust and limit unnecessary personal contact.
- Storage:** Avoid breathing dust.
- Incompatibilities:** None
- Transport:** Transportation is by rail, road or ship – in bulk or bag form.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Standards:

Exposure standard for this material is 10mg/m<sup>3</sup> TWA as inspirable dust established by the Australian Safety and Compensation Council, ASCC (formerly NOHSC).

### Engineering Controls:

Keep exposure to dust as low as practicable, with the aim of maintaining inspirable dust levels to below 10mg/m<sup>3</sup> TWA (time-weighted average). Working in the open air and external openings (such as doors and windows in buildings) generally provides adequate ventilation. Local mechanical ventilation or local dust extraction may be used, if necessary, to control airborne dust levels. If generated dust cannot be avoided follow personal protection recommendations. Where possible vacuum or wash down all gear, equipment or mobile plant prior to maintenance and repair work. If compressed air cleaning cannot be avoided, wear eye and respiratory protection, and clothing as listed below.

For bulk deliveries and handling of individual bags, follow personal protection instructions if no local exhaust ventilation is available.

**Personal Protection:**

**Skin Protection:**

Minimise contact when handling product.

Wear loose comfortable clothing, impervious footwear and gloves (standard duty leather or equivalent AS 2161).

Wash work clothes regularly.

**Eye Protection:**

Safety glasses with side shields or safety goggles (AS/NZ 1336) or face shield should be worn.

**Respiratory Protection:**

None required if engineering and handling controls are adequate. Where engineering and handling controls are not adequate to minimize exposure to total dust, personal respiratory protection may be required.

The type of respiratory protection required is dependent on the frequency and length of exposure time. Amount of exertion required during the work and personal comfort are other considerations in choice of respirator. A suitable P1 or P2 particulate respirator chosen and used in accordance with AS/NZS 1715 and AS/NZS 1716 may be sufficient for many situations, where high levels of dust are encountered, more efficient cartridge-type powered respirators or supplied-air helmets may be necessary.

Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly.

Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives see AS/NZS 1715: Selection and use of respirator protective devices.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Powder, white to grey in colour.
Odour:	None
Particle Size:	82% of particles may be <850 um.
Vapour Pressure:	Not Applicable
Boiling Point / Melting Point:	Decomposes at 825°C
Solubility in water:	Approximately 12 mg/l
Flammability Limits:	Not Applicable
Flash Point:	Not Applicable
Explosive Properties:	None
Specification:	None

## **SECTION 10: STABILITY AND REACTIVITY**

Ground Granulated Blast Furnace Slag is considered stable and hazardous polymerisation will not occur.

Chemical Stability:	Chemically Stable
Incompatible Materials:	None
Conditions to Avoid:	None
Hazardous Decomposition Products:	None
Hazardous Reactions:	May react vigorously with acids generating carbon dioxide (asphyxiant).

## SECTION 11:

## TOXICOLOGICAL INFORMATION

### Health Effects

#### Acute (short term) Exposure

- Swallowed:** Unlikely under normal industrial use. Ingestion of large quantities can cause irritability, nausea, dehydration and constipation. Estimated lethal dose for an adult is over 1 kg.
- Eyes:** Generated dust may be discomforting and abrasive to eyes. May cause lacrimation.
- Skin:** No harmful effects reported
- Inhaled:** Dust is discomforting to the nose, throat and respiratory tract and may cause coughing and sneezing. Persons with impaired respiratory function, may incur further disability if excessive concentrations of particulates are inhaled.

#### Chronic (long term) Exposure- (Effects may occur after repeated or prolonged exposure)

- Eyes:** May cause irritation and inflammation of the eyes and aggravate pre-existing eye conditions.
- Inhaled:** Repeated exposure of airborne dust may cause changes in lung function. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.

## SECTION 12:

## ECOLOGICAL INFORMATION

- Ecotoxicity:** No data available
- Persistence and Degradability:** Persistent with low degradability.
- Mobility:** Slightly soluble in water.

## SECTION 13:

## DISPOSAL CONSIDERATIONS

G-Lime disposal should be in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal. Keep out of sewer and stormwater drains.

## SECTION 14:

## TRANSPORT INFORMATION

Transportation is done in bulk or bag form by ship, rail or road.

- UN Number:** None Allocated
- Class – Subsidiary Risk:** None Allocated
- Packaging Group:** None Allocated
- Proper Shipping Name:** None Allocated
- Hazchem Code:** None Allocated
- Incompatibilities:** Alum and ammonium salts. May react vigorously with acids generating carbon dioxide gas.

## SECTION 15:

## REGULATORY INFORMATION

Poisons Schedule: Not scheduled

Classified as **NOT HAZARDOUS** according to the Australian Safety and Compensation Council (ASCC (formerly NOHSC) Approved Criteria for Classifying Hazardous Substances (NOHSC:1008) 3<sup>rd</sup> Edition.

G-Lime is classified as non-Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## SECTION 16:

## OTHER INFORMATION

For further information on this product, contact:

Telephone: [03 9676 0000](tel:0396760000)

Website: [www.glime.com.au](http://www.glime.com.au)

Emergency Contact Number: Poisons Information Centre [13 11 26](tel:131126)

Australian Standards References:

AS/NZS 1336 Recommended practices for occupational eye protection.

AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716 Respiratory protective devices.

AS 2161 Industrial safety gloves and mittens (excluding electrical and medical glove).

National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSCH:2011 (2003)], April 2003, National Occupational Health and Safety Commission.

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### Advice Note:

The information in this document is believed to be accurate. Please check the currency of this MSDS by contacting: (03) 9676 0000

The provision of this information should not be construed as a recommendation to use this product in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Users should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.