

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Richgro Garden Lime  
**Other Names:** Not listed.  
**Product Code:** BOM5200  
**Product Use:** Used in agriculture and horticulture applications as a soil neutralising agent and good source of Calcium.  
**Company Name:** Richgro Garden Products  
**Company Address:** 203 Acourt Road, Jandakot WA 6164  
**Telephone Number:** (08) 6258 7100 or Toll free 1800 455 132  
**Fax Number:** (08) 8455 1297 or Toll free 1800 671 297  
**Email:** customerservice@richgro.com.au  
**This version issued:** January 2014 and is valid for 5 years from this date.

## SECTION 2 - HAZARDS IDENTIFICATION

### Statement of Hazardous Nature

**Hazardous Substance:** Garden Lime is not classified as hazardous according to Safe Work Australia criteria.  
**Dangerous Goods:** Garden Lime is not classified as a dangerous good according to the ADG code.  
**Safety Phrase(s):** S22 Do not breathe dust.  
S38 If insufficient ventilation wear suitable respiratory equipment.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion of Ingredients
Calcium Carbonate CaCO <sub>3</sub>	1317-65-3	80 - 100%
Silicon Dioxide SiO <sub>2</sub> (silica)	14808-60-7	0 - 15%

## SECTION 4 - FIRST AID MEASURES

### General Information:

#### Inhalation:

If over exposure occurs remove affected person to a well ventilated area. Keep warm and at rest. In emergency situations, if breathing is difficult give oxygen.

#### Skin Contact:

Gently flush affected areas with water. Seek medical attention if irritation develops.

#### Eye Contact:

Flush gently with running water for at least 15 minutes lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops.

#### Ingestion:

Rinse mouth thoroughly with water, and give water to drink.  
**DO NOT** induce vomiting. Seek medical attention, if more than a small quantity has been swallowed.

#### Advice to Doctor:

Treat symptomatically based on individual reactions of patient.

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### SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non-flammable and does not support combustion.
<b>Extinguishing Media:</b>	Non-flammable and does not support combustion. In case of fire in the surroundings, use appropriate extinguishing media.
<b>Hazchem Code:</b>	None allocated.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Accidental release:**  
Any spillage should be cleaned up promptly and swept up into covered containers.

### SECTION 7 - HANDLING AND STORAGE

**Handling:**  
Use product in well ventilated area. Prevent the build of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Always maintain high standards of personal hygiene.

**Storage:**  
Store in clean, dry and well ventilated area. Avoid generation of dust. Store away from acids, aluminium and ammonium salts.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>National Exposure Standards</b>	No exposure standard has been established for this product by the ACGIH. However, ASGIH recommended value for inhalable particulates is 10mg/m <sup>3</sup> TLV/TWA (for inspirable dust), and 3mg/m <sup>3</sup> (for respirable dust).
	<b>Calcium Carbonate:</b> Time Weight Average (TWA): (respirable fraction) 5 mg/m <sup>3</sup>
	<b>Quartz (Crystalline Silica):</b> Time Weight Average (TWA): (respirable fraction) 0.1 mg/m <sup>3</sup>  ( $\leq 7$ microns particle equivalent aerodynamic diameter). (TWA refers to the average airborne concentration of a substance during an eight-hour work shift for a five-day working week).
<b>Engineering Controls:</b>	Use in well ventilated areas. Avoid high dust concentration.
<b>Personal Protective Equipment:</b>	Wear rubber or PVC gloves to prevent skin contact. Where dust is a problem use a P2 type canister Respirator. Wear chemical safety glasses to prevent eye contact.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Description &amp; colour:</b>	Off white or cream granules or powder.
<b>Odour:</b>	Odourless.
<b>Boiling Point/Range:</b>	Not applicable.
<b>Freezing/Melting Point:</b>	Decomposes above 825°C.
<b>Vapour Pressure:</b>	Not relevant.
<b>Vapour Density:</b>	Not relevant.
<b>% Volatiles:</b>	Not relevant.
<b>Bulk Density:</b>	Not available.
<b>Specific Gravity:</b>	2.9g/cm
<b>Solubility:</b>	Not readily soluble in water.
<b>pH (10% aqueous solution)</b>	8.0 - 10.0
<b>Flammability:</b>	Not flammable.
<b>Evaporation Rate:</b>	No data available.
<b>Ignition temp:</b>	Not available.

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### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** Reactive with acids, aluminium and ammonium salts.

**Decomposition products:** Decomposition produces corrosive fumes of Calcium Oxide.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Health Effects:** There is no known effect from chronic exposure to Garden Lime.

**Inhalation of dust should be avoided.**

#### Acute

**Inhalation:** High dust concentration of air-borne material may cause irritation to the nose and upper respiratory tract; symptoms may include coughing and sore throat.

**Skin:** Prolonged contact may cause some irritation, including redness and itching. No harmful effects from skin absorption have been recorded.

**Eye:** May cause irritation, redness and pain following contact.

**Swallowed:** Product not considered harmful if swallowed, but ingestion of large amounts may cause gastrointestinal irritation and blockage.

#### Chronic

**SafeWork Australia** has not yet classified crystalline silica as a carcinogen. Crystalline silica in this product, although present as a fine sand, it is not present at a respirable size and therefore the likelihood of inhaling free crystalline silica will be remote.

**The International Agency for Research on Cancer (IARC)** recommended that crystalline silica should be classified as carcinogenic to humans due to the risk of silicosis (the disease which causes a scarring of the lungs).

### SECTION 12 - ECOLOGICAL INFORMATION

#### **Environmental Impact:**

It is not anticipated to cause any adverse effects to plants or animals.

### SECTION 13 - DISPOSAL CONSIDERATIONS

#### **Disposal:**

Dispose of on a farm, or authorised waste facility in accordance with statutory requirements.

Clean up personnel should vacuum or wet sweep to avoid dust dispersal.

Contact the manufacturer if additional information is required.

#### **Legislation**

Dispose in accordance with relevant local legislation.

### SECTION 14 - TRANSPORT INFORMATION

**ADG Code:** Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

**UN Number:** None allocated

**UN Proper Shipping Name:** None allocated

**Class and Subsidiary Risk:** None allocated

**Packing Group:** None allocated

**EPG:** None allocated

**Hazchem Code:** None allocated

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### SECTION 15 - REGULATORY INFORMATION

#### Australian Regulatory Information:

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

### SECTION 16 - OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

#### Acronyms:

ACGIH	American Conference of Government Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
ES-Peak	Exposure Standard – Peak level
ES-Stel	Exposure Standard – Short term exposure level
ES-TWA	Exposure Standard – Time weighted average
LD Lo	The lowest dose in an animal study in which lethality occurred
LD50	Lethal Dose 50. The single dose of a substance that caused the death of 50% of an animal population from exposure to the substance by any route other than inhalation
mg/m3	Milligrams per cubic metre
mg/kg	Milligrams per kilogram
NOHSC	National Occupational Health and Safety Commission
pH	Relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14 where 0 is highly acidic and 14 is high alkaline
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
TC Lo	Toxic concentration low. It is the lowest concentration of a substance in air to which humans (or animals) have been exposed for any given period of time that has produced any toxic effect or produce a tumorigenic or reproductive effect on one or more members of the group of subjects.
t/m3	Tonnes per cubic metre

TO THE BEST OF OUR KNOWLEDGE THIS DOCUMENT COMPLIES WITH THE NATIONAL CODE OF PRACTICE FOR THE PREPARATION OF MATERIAL SAFETY DATA SHEETS 2<sup>ND</sup> EDITION [NOHSC:2011(2003)]

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD STATEMENT INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE, INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THE SAFETY AND EMERGENCY SERVICES DEPARTMENT, RICHGRO GARDEN PRODUCTS ON (08) 6258 7100 (AUSTRALIA), +61 8 6258 7100 (OVERSEAS) SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

RICHGRO GARDEN PRODUCTS RESERVES THE RIGHT TO MAKE CHANGES TO MATERIAL SAFETY DATA SHEETS WITHOUT NOTICE.

Please read all labels carefully before using product.