



# MATERIAL SAFETY DATA SHEET

## PRODUCT: GARDEN LIME

**Date of Issue:** 20 NOV 2017    **Valid until:** 19 NOV 2022    **GHS Format**

### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

**Product (material) Name:** Manutec Garden Lime  
**Other names:** Calcium Carbonate, Lime stone  
**Manufacturer's code:** MBP8180 (8KG), MBP0300 (3KG)  
**Recommended use:** as a natural soil conditioner to neutralise pH of acid soils.

**Manufacturer/Supplier Information:**

**Name:** MANUTEC PTY LTD  
**Address:** 30 Jonal drive, Cavan, South Australia 5094  
**Telephone No:** +61-8-8260 2277    **Fax:** +61-8-8260 2399  
**Email:** manutec@manutec.com.au

**Emergency contact only:** Poisons Information Centre (Australia) 131126

### 2. HAZARDS IDENTIFICATION

**Poisons Schedule:** None classified

**Hazard Classification:** NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories:** None specified

**Pictograms:** None specified

**Signal Word:** None specified

**Hazard Statements:** None specified

**Precautionary Statements:** None specified

**National Transport Commission (Australia)**

#### **Dangerous Goods Classification**

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Entity</u>	<u>Proportion</u>
Calcium (Ca) as Carbonate	26%
Calcium Carbonate	64 - 68%
Carbon Dioxide	36.4 – 36.7%
Aluminium Oxide	1.70 – 1.75%
Magnesium Oxide	2.9 – 4.1%

The material is 100% natural lime and processed to required particle size for agricultural use.

### 4. FIRST AID MEASURES

If poisoning occurs, please contact immediately Poisons Information Centre (Australia) on 131126

- Ingestion:** If in mouth, thoroughly wash mouth with water, then give some water to drink. If larger amounts are swallowed, contact a doctor or Poisons Information Centre (Ph: 13 11 26) for medical assistance immediately.
- Eye:** If this product comes into contact with eyes, hold open and wash with running water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained.
- Skin:** If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.
- Inhaled:** If large quantities of dusts are inhaled, remove to fresh air. Lay victim down and keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately
- Aid Facilities:** Poisons Information Centres in each State capital city may provide additional assistance (Ph 131126).
- Advice to doctor:** No special advice, treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Hazchem code:** Not applicable

**Extinguishing media:**

Material is non-combustible, however if on fire use Water spray/fog, foam, dry agent (carbon dioxide/dry chemical powder)

**Special protective equipment for firefighters:**

As a minimum, wear overalls, goggles & gloves

## 6. ACCIDENTAL RELEASE MEASURES

**Small spills:** Ensure to wear appropriate protective gear (such as gloves/goggles) as appropriate & sweep to collect in to a rag or paper towel & dispose as general waste

**Large spills:** Ensure to wear appropriate protective gear and sweep and collect in to properly labelled containers. Avoid material entering in to drainage or waterways.

Advice or contact local council or environmental authority as appropriate.

## 7. HANDLING AND STORAGE

- Avoid Skin, eye contact and inhalation of dust.
- Store in a dry, cool and ventilated place away from Children, pets and exposure to direct sunlight. Also store away from any incompatible materials described in section 10 of this safety data sheet.
- When not in use and after use, ensure to keep the container/bag sealed properly.
- If any spillage, follow appropriate action as described in section 6 of this data sheet.
- Store in original packaging as approved by manufacturer

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures:**

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem

**Control of exposition limit:**

Respiratory protection: Keep ventilated and use mask during handling large volumes

Hand protection: Rubber or plastic gloves

Eye protection: Safety glasses

Skin protection: Use adequate cloth

**Personl Protection in Manufacturing/Packing area:**

Wear overalls, safety glasses and impermeable gloves. Avoid generating dust. If dust exists wear appropriate dust mask meeting requirements of AS/NZS 1715 Standards. Always wash hands after handling and before eating, smoking or drinking. Wash contaminated clothing before storing or reuse

**Hygienic and personal protection practices while handling the product**

Keep the material/product away from food and drink, animal feed.

When using, donot eat,drink or smoke

Wash hands or affected area thoroughly prior to eating, drinking or smoking

Avoid contact with skin, eye and inhalation of any dust from the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Coarse Crystalline sandy type material
<b>Colour:</b>	off white to grey particles
<b>Odour:</b>	None
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not applicable
<b>Vapour Press kPa 025C:</b>	Nil
<b>Specific Gravity:</b>	Not available
<b>Flashpoint (C):</b>	Non flammable
<b>Flammability Limits:</b>	Non flammable
<b>Solubility in water:</b>	partially soluble/degrade in water

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	Product is a non-flammable solid.
<b>Chemical Stability</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Conditions to Avoid</b>	None in particular
<b>Materials to Avoid</b>	No particular incompatibilities
<b>Hazardous Decomposition Products</b>	No known decomposition products at temperatures normally achieved in a fire.
<b>Hazardous Polymerisation</b>	Hazardous Polymerisation has not been reported.

## 11. TOXICOLOGICAL INFORMATION

In general when the product is used and handled safely and as per directions on the label and per safety data sheet instructions, no adverse effects are expected. However in case of mishandling or overexposure to the product, may result in symptoms of accute effects.

**Information on Toxicity:** No published data or information available, however materials used in this product are considered non- hazardous.

### ACUTE EFFECTS

<b>Ingestion/Swallowed:</b>	Considered to be non-toxic by ingestion. However, ingestion of large amounts may be harmful. No data available
<b>Eye:</b>	may be Irritant on contact depending on exposure level
<b>Skin:</b>	Geneareally Non irritating or harmful to the skin, however prolonged exposure may cause dry skin, particularly to sensitive skins
<b>Inhaled:</b>	Non hazardous, but if exposed to dusts may be irritant to the respiratory track or mucous membrane.

### Chronic Toxicity:

<b>Mutagenicty:</b>	No data/information available, but material considered non hazardous
---------------------	--



<b>Carcinogenicity</b>	This material considered non hazardous
<b>Specific Organ Toxicity</b>	No information available but material considered non hazardous.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available
<b>Mobility</b>	partially soluble/degradable in water.
<b>Environmental Fate</b>	Do NOT allow excessive product to reach waterways, drains and sewers.
<b>Bioaccumulation Potential</b>	No information available on bioaccumulation for this product.
<b>Environmental Impact</b>	No Data Available

## 13. DISPOSABLE CONSIDERATIONS

General Information Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

## 14. TRANSPORT INFORMATION

### **National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

### **Dangerous Goods Classification**

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

### **Marine Transport**

Not classified as dangerous according to the criteria of International Marine Dangerous Goods (IMDG) for transport by sea.

### **Air Transport**

Not classified as dangerous according to the criteria of International Air Transport Association (IATA) Dangerous Goods regulation for transport by air.

## 15. REGULATORY INFORMATION

Constituents or materials used in this product are covered by Australian Inventory of Chemical Substances (AICS)

Poisons Schedule (Aust) Not scheduled

## 16. OTHER INFORMATION

The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.



**STATEMENT OF DISCLAIM:**

This Material Safety Data Sheet has been developed according to WHS Code of Practice Preparation of Safety Data Sheets for Hazardous Chemicals Guidelines and written in accordance with GHS format. All information is as accurate and up-to-date as possible. Since Manutec Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Manutec Pty Ltd will not be responsible for damages of any nature resulting from use of or reliance upon this information.

No expressed or implied warranties are given other than those implied mandatorily by Federal, State or Territory Legislation.