

# MATERIAL SAFETY DATA SHEET

Page 1 of 3  
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## STATEMENT OF HAZARDOUS NATURE

Hazardous according to the criteria of Worksafe Australia

## COMPANY DETAILS

Company: Lime Industries Pty Ltd  
Address: 43 Hector Street, Osborne Park WA 6017  
Telephone Number: (08) 9241 1100  
Emergency Telephone Number: 131 126 (National Poisons Information Centre)

## IDENTIFICATION

Product Name: **LOW SILICA LIME PUTTY**  
Other Names: Lime Putty, Hydrated Lime slurry  
Manufacturer's Product Code - Low Silica  
UN Number: Not Applicable  
Dangerous Goods Class & Subsidiary Risk: Not Applicable  
Hazchem Code: Unclassified  
Poisons Schedule Number:  
Use: Used in various applications for pH adjustment

## PHYSICAL DESCRIPTION/PROPERTIES

Product Description: Low Silica Lime Putty is an off white slurry produced from Quicklime which results in a suspension of Calcium Hydroxide in water.

Viscosity: At rest, lime putty is very viscous however because it is thixotropic it can be easily pumped.

pH: 12

Percentage Solids: 37% +/-2

Boiling Point/Melting Point: Water boils off as steam at 100 degrees Celsius. When all water is gone the resultant lime powder boils at 2850 degrees Celsius.

Vapour Pressure: Not applicable

Flashpoint: Not applicable

Flammability Limits: Slurry is Non-combustible

Other properties: Not explosive. Low Silica Lime Putty has a slightly earthy odour.  
Reacts violently with acid.

## INGREDIENTS

### Chemical Composition:

COMPONENTS	CAS No:	PROPORTION
Calcium Hydroxide:	1305-62-0	30-45%
Magnesium Hydroxide:	1309-42-8	0-5%
Silicon Dioxide:	14808-60-7	0-1%
Calcium Carbonate:	471-34-1	0-15%
Aluminium Oxide:	1344-28-1	0.1-1%
Water	7732-18-5	to 100%

### HEALTH HAZARD INFORMATION

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment"(May 1995)

#### Health Effects

Ingestion: Low Silica Lime Putty has a caustic reaction therefore will burn the mouth and throat if swallowed.

Eyes: Corrosive and may cause severe burning of the eyes.

Skin: Irritating.

Inhaled: Due to the product form, inhalation hazard is low.

#### First Aid

Ingestion: Do not induce vomiting. Wash mouth and lips with copious amounts of water, and give limited amounts of water or milk to drink. Seek urgent medical attention.

Skin: Quickly, but gently wipe material off skin. Immediately remove all contaminated clothing including footwear. Wash affected area thoroughly with soap and water. If any effects persist, seek medical attention.

Eyes: Gently flush with running water, holding eyelid open for a 15 minute period. Seek medical attention if irritation persists.

Inhalation: Not applicable.

Advice to Doctor: Contact Poisons Information Centre on 131 126.

### **PRECAUTIONS FOR USE**

Incompatible with:	Strong oxidizing agents (I.e. Chlorine, peroxides) and acid.
Ventilation:	Use a well ventilated area. As no vapour hazard exists, no special precautions are required.
Protective Equipment:	Splash proof goggles, work boots/clothes are recommended when handling Low Silica Lime Putty. Some individuals with sensitive skin may require PVC/leather gloves if prolonged skin contact occurs.

### **SAFE HANDLING INFORMATION**

Storage and Transport:	Low Silica Lime Putty should be stored in a cool, protected place, away from strong oxidants or acids.  Low Silica Lime Putty is not regulated for transport purposes. However, transport is usually in bulk road tankers.
Spills and Disposals:	Suitably attired personnel should clean up spillages with a broom or shovel. Materials should be recycled or neutralized with diluted hydrochloric acid (HCl) to a pH of 7-9.
Fire/Explosion Hazard:	Low Silica Lime Putty is non-combustible. Violent reaction with all forms of acids.

**OTHER INFORMATION:** Reacts with all types of acidic materials.

**CONTACT POINT:** LIME INDUSTRIES PTY LTD  
(08) 9241 1100