

# MATERIAL SAFETY DATA SHEET

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## STATEMENT OF HAZARDOUS

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) 9446 8644 (Business hours - WST)  
Emergency Telephone Number 131 126 (National Poisons Information Centre)

## IDENTIFICATION

Product Name: **METALLURGICALGRADE LIME PUTTY**  
Other Names: Lime putty, Hydrated lime slurry, Slaked lime  
Manufacturer's Product Code: None  
UN Number: None allocated  
Dangerous Goods Class and  
Hazchem Code: None  
Poisons Schedule Number: Not scheduled  
Use: For pH control in water treatment

## PHYSICAL DESCRIPTION/PROPERTIES

Product Description: Metallurgical Grade 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: 38% (+/-5)  
Available CaO: 23% (+/-3)  
Boiling Point/Melting Point: 100 degrees Celsius - water will boil off.  
Vapour Pressure: Not applicable  
Flashpoint: Not applicable  
Flammability Limits: Not applicable  
Solubility in Water: Slightly soluble

## 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	0-10%
Calcium Carbonate:	471-34-1	0-15%
Aluminium Oxide:	1344-28-1	0.1-1%
Iron Oxide:	1309-37-1	0-0.5%
Water:	7732-18-5	to 100%

## HEALTH HAZARD INFORMATION

### Health Effects

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)

### Acute Effects:

Ingestion:	Lime Putty is alkaline and therefore may burn the mouth and throat if swallowed.
Eyes:	Contact with eyes will cause irritation or characteristic alkaline burns.
Skin:	May be severely irritating to the skin and moist tissue Contact can cause corrosive burns. Extent of the damage depends on the duration of contact.
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 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 oxidising agents (i.e. chlorine, peroxides) and acid.
Ventilation:	As no vapour hazard exists, no special precautions are required
Protective Equipment:	Splash proof goggles, work boots/clothes are recommended when handling Lime Putty. Some individuals with sensitive skin may require PVC/ leather gloves if prolonged skin contact occurs.

**SAFE HANDLING INFORMATION**

Storage and Transport:	Lime Putty should be stored in a cool, protected place, away from strong oxidants or acids. Storage in steel tanks and plastic bags is appropriate. Lime Putty is not regulated for transport purposes.
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 (HC1) to a pH of 7-9.
Fire/Explosion Hazard:	Lime Putty is non-combustible.
<b>OTHER INFORMATION:</b>	Reacts with all types of acidic materials
<b>CONTACT POINT:</b>	LIME INDUSTRIES PTY LTD (08) 9446 8644