



A1 LIME PLASTER

MATERIAL SAFETY DATA SHEET

Substance/preparation and company identification

Company:

Warrior Pte Ltd

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Product details

- Product Name : A1 Plaster Lime
- Other Name: High Calcium Lime Putty, Calcium hydroxide , slaked lime.
- Chemical Name : Calcium Hydroxide
- Chemical Formula: Ca(OH)_2
- Molar mass: 74.09
- Use: Binder in mortars and renders, mixed with plaster for solid wall plastering. Base for lime washes.

Physical description/ properties

- Appearance /Odour : White putty. No odour.
- Boiling point : Not applicable
- Vapour Pressure : Not volatile
- Specific Gravity : 1.25 to 1.32g/cm³
- Melting point : Decomposes at 580°C to form calcium oxide.
- Flammability Limits (%) : Non combustible
- Solubility in water : 0.1g/100g
- pH : 12

Components

Ingredients	Specifications
CaO + MgO	>90%
MgO	<5%
CO ₂	<4%
SO ₃	<2%
Free Water	45% - 70%



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Health hazard information

Health effects

Acute

- Eye: Irritating
- Skin: Irritating
- Inhaled: Due to the product form, inhalation hazard is low.
- Ingestion:
Lime putties have a caustic reaction and therefore rinse the mouth and throat if swallowed.

Chronic

- No Chronic Effect known

First aid measures

Eye

- Flush eyes with running water for 15 mins, including under lids. Seek medical attention if effects persist.

Skin

- Wash affected area with large amount of water. Seek medical attention if effects persist.

Inhaled

- Not applicable

Ingestion

- Do not induce vomiting. Wash mouth and lips with copious amounts of water and give limited amounts of diluted milk or water to drink followed by fruit juices or diluted vinegar to neutralize the alkali. Consult physician.

Precautions for use

Personal Protection

- Splash proof goggles, work boots/clothing are recommended when handling. Use PVC/rubber gloves for prolonged skin contact.

Ventilation Requirement

- Use in well ventilated area. Not a volatile liquid; no harmful gases given off.

Incompatible with

- Reacts violently with acid.

Flammability

- Lime putties are non-combustible.



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Safe handling information

Storage and handling

- Should be stored in a cool, protected place, away from strong oxidant or acids. Storage in steel bins, tanks and silos or plastic bags is appropriate.

Spills and Disposal

- Clean up spillages with a broom/shovel. Materials should be recycled or neutralized with diluted HCL to pH of 7 - 9 .

Fire/Explosion Hazard

- Non-combustible. Violent reaction with all forms of acids.

Fire-fighting measures

Extinguishing media

- Use any means suitable for extinguishing surrounding fire.

Fire fighting Instruction

- In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Fire explosion hazard

- Non-combustible. Reacts violently with all forms of acid.

Transport information

- Non-hazardous for air, sea and road freight.

Stability and reactivity

- Stable. Incompatible with strong acids.

Toxicological information

Skin, eye and respiratory irritant. Corrosive - causes burns. Typical TLV/TWA 5mg m⁻³

Toxicity data

- ORAL-RAT LD 50 7340 mg kg⁻¹
- ORL - MOUSE LD 50 7300 mg kg⁻¹

Ecological information

Environmental Fate:

- This material is not expected to significantly bioaccumulate.

Environmental toxicity:

- No information found.



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Regulatory Information

Risk phrases:

- R34 R36 R 37 R38 R41

Safety phrases:

- S2, S25, S26, S37/39

Disposal Information

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Adhere to state and local requirements.

Other Information

NFPA Ratings:

- Health - 3
- Flammability - 0
- Reactivity- 0
- Any other intended applications should be discussed with the manufacturer.
- If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: war99@singnet.com.sg
- The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.