LIME PUTTY

SAFETY DATA SHEET

Version 2.2 Issue Date 01/11/2026 Replaces Version 2.1 21/09/2026

1. IDENTIFICATION

Product identifier	**Lime Putty**
Other means of identification	Low Silica Lime Putty, Metallurgical Lime Putty, Premium Lime Putty (blue bag), Plasterers Lime Putty (red bag) and Environmental Lime Putty (green bag)
Recommended use of the chemical	Used as a neutralising agent in water and sewage treatment, for pH modification in general industry, and in solid plastering and mortar preparation.
Restrictions on Use	Use only for the intended applications.
Details of Australian manufacturer or importer	**Australian manufacturer:** Lime Industries Pty Ltd **ABN:** 29 141 883 178 **Address:** 43 Hector Street Osborne Park, WA 6017 **Telephone:** 08 9241 1100 **Fax:** 08 9244 2071 **Email:** info@limeindustries.com.au **Website:** www.limeindustries.com.au
Emergency phone number	Poisons Information Centre: **13 11 26** (Australia, 24 hours)

2. HAZARDS IDENTIFICATION

Classification of the hazardous chemical

Classified as a hazardous chemical in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals, 7th Revised Edition (GHS 7), as adopted under Australian WHS legislation.

Hazard classes	Serious eye damage, Category 1 Skin irritation, Category 2 Specific target organ toxicity – single exposure, Category 3 (respiratory irritation)
Signal word	DANGER
Hazard pictograms	
Hazard statements	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.
Prevention statements	Avoid breathing dust from dried material. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

	Wear protective gloves/protective clothing/eye protection/face protection.
Response statements	IF ON SKIN: Wash with plenty of soap and water.
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
	If skin irritation occurs: Get medical attention.
	Take off contaminated clothing and wash it before reuse.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
Other hazards which do not result in classification	Dust generated from dried material, including during sanding, may contain respirable crystalline silica. Follow the exposure controls described in Section 8.

DANGEROUS GOODS STATEMENT

Not classified as dangerous goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road & Rail, Edition 7.9 (ADG Code).

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	Concentration range (% w/w)
Calcium hydroxide	1305-62-0	20-<40
Crystalline silica (quartz)	14808-60-7	<0.5
Water and other non-hazardous ingredients	-	Balance to 100

4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation	If dust from dried material is inhaled, remove the person to fresh air and keep comfortable for breathing. Obtain medical advice if symptoms occur or persist.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Obtain medical advice if irritation develops. Wash clothing before reuse.
Eye contact	Immediately rinse cautiously with clean water for at least 15 minutes, holding eyelids open. Remove contact lenses if easy to do. Continue rinsing. Immediately call the Poisons Information Centre (13 11 26) or doctor.
Ingestion	Rinse mouth with water. Do not induce vomiting. Give water or milk to drink to dilute stomach contents. Never give anything by mouth to an unconscious person. Immediately call the Poisons Information Centre (13 11 26) or doctor. If vomiting occurs naturally, place the person on their side in the recovery position.
First aid facilities	Provide eyewash and access to running water.

Symptoms and effects caused by exposure, including acute and delayed effects

Can cause severe eye burns and corneal damage. Alkaline skin irritation or chemical burns may occur with prolonged contact. Inhalation of dust from dried material may irritate the nose and throat.

Indication of immediate medical attention and special treatment needed

Treat symptomatically. Contact Poisons Information Centre (13 11 26) for specialist advice.

5. FIREFIGHTING MEASURES

Extinguishing media

Product is water-based and not combustible. Use extinguishing media appropriate to the surrounding fire.

Specific hazards arising from the chemical, including hazardous combustion products

Product may react violently with strong acids. Containers may rupture when heated.

Special protective equipment and precautions for firefighters

Evacuate the area and contact emergency services. Smoke and hazardous gases from surrounding materials may be present during a fire. Remain upwind and notify those downwind of the hazard. Wear full protective equipment including self-contained breathing apparatus (SCBA) when fighting a fire. Use water fog or spray to cool intact containers and nearby storage areas. Prevent contaminated firefighting water from entering drains and waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Isolate area. Avoid contact with eyes and skin and avoid breathing dust from dried material. Wear protective gloves, protective clothing and chemical splash goggles. Where significant splashing is possible, wear a face shield in addition to the goggles. Ensure good ventilation.

Environmental precautions

Prevent entry to drains, soil and waterways. Notify the appropriate authority if significant contamination occurs.

Methods and materials for containment and clean up

Small spills: Contain and absorb with sand, earth or other inert absorbent material. Recover where practicable and place residues in a suitable labelled container. Clean the affected area with the minimum amount of water required and collect the washings for disposal. Prevent product and contaminated washings from entering drains or waterways.

Large spills: Bund with sand, earth or other inert absorbent material. Recover and recycle where practicable. Absorb residue and place in labelled containers for disposal. Clean the affected area with the minimum amount of water required and collect the washings for disposal. Prevent product and contaminated washings from entering drains or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling

Read this SDS and the directions for use on the label before handling. Avoid skin and eye contact. Do not eat, drink or smoke while handling. Wash hands and exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store in the closed original container in a cool, dry, well-ventilated, bunded area. Protect from heat, freezing and direct sunlight. Store away from acids, food and animal feed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace exposure limits

No Australian workplace exposure limit has been assigned to the mixture as a whole. The following limits apply to its constituents.

Constituent	Particle fraction	WEL
Calcium hydroxide	Inhalable	TWA: 1 mg/m³;
CAS No. 1305-62-0		STEL: 4 mg/m³
Crystalline Silica (quartz)	Respirable	TWA: 0.05 mg/m³
CAS No. 14808-60-7		No STEL assigned

- WEL = Workplace exposure limit.
- TWA = Eight-hour time-weighted average.
- STEL = Short-term exposure limit.

Biological monitoring

No specific biological exposure limit has been established for this product.

Engineering controls

Use in well-ventilated areas. Avoid generating dust from dried material. Where airborne dust may be generated, use suitable process enclosure, local exhaust ventilation or other engineering controls to maintain airborne concentrations below the applicable workplace exposure limit.

Air monitoring should be considered where significant dust exposure may occur or where adequate control of airborne exposure cannot otherwise be demonstrated.

Personal protective equipment (PPE)

Eye and face protection

Splash-proof chemical goggles (AS 1336 / 1337). Where significant splashing is possible, wear a face shield in addition to chemical splash goggles.

Skin protection

Wear chemically resistant protective gloves. Suitable materials may include nitrile, PVC or rubber. Glove selection should take account of the task, duration of contact and the glove manufacturer's chemical-resistance information. Elbow-length gloves are recommended where significant contact may occur. Protective gloves should be selected and used in accordance with AS/NZS 2161.

Body protection

Wear suitable protective clothing including long sleeves, long trousers and safety footwear.

Respiratory protection

Respiratory protection is not normally required where the product is handled as a putty and adequate ventilation is provided.

Where dust may be generated and engineering controls are insufficient to maintain airborne dust concentrations below the applicable workplace exposure limit, wear a correctly fitted respirator incorporating a suitable particulate filter, for example a P2 filter. Respiratory protective equipment must be selected, fitted, used and maintained in accordance with AS/NZS 1715 and AS/NZS 1716.

Thermal hazards

None identified.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aqueous paste (lime putty)
Colour	White
Odour	Odourless
Melting point / freezing point	Not determined
Boiling point	Not determined
Flammability	Nonflammable aqueous mixture
pH (neat)	Approximately 12
Solubility	Dispersible in water; contains slightly soluble solids.
Vapour pressure	Not determined
Density	1.2-1.25 t/m^3

10. STABILITY AND REACTIVITY

Reactivity

Highly alkaline. Reacts violently with strong acids.

Chemical stability

Stable under recommended conditions of storage and handling. Calcium hydroxide slowly reacts with atmospheric carbon dioxide to form calcium carbonate.

Possibility of hazardous reactions

No hazardous reactions under recommended conditions of storage and handling.

Conditions to avoid

Avoid damage to packaging and prevent the product from drying out during storage.

Incompatible materials

Incompatible with acids.

Hazardous decomposition products

None identified.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	Dust from dried material may cause respiratory irritation.
Skin contact:	Causes skin irritation.
Ingestion:	May cause nausea, vomiting and gastrointestinal irritation.
Eye contact:	Causes serious eye damage.

Symptoms and effects, both immediate and delayed

Inhalation of dust from dried material may irritate the nose, throat and upper airways. Symptoms may include coughing, sneezing, nosebleeds and breathing difficulties. No specific chronic-effects data are available for the finished product.

Numerical measures of toxicity

No numerical acute-toxicity data are available for the finished product.

Toxicological endpoint information

Acute toxicity	Not classified.
Skin corrosion / irritation	Skin irritation, Category 2. Causes skin irritation.
Serious eye damage / irritation	Serious eye damage, Category 1. Causes serious eye damage.
Respiratory sensitisation	Not classified.
Skin sensitisation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity (STOT) – single exposure	Category 3. May cause respiratory irritation following inhalation of dust from dried material.
Specific target organ toxicity (STOT) – repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Medical conditions aggravated by exposure	No information available.
Additional information	Toxicological test data are not available for the finished product unless otherwise stated. The health-hazard assessment has been derived from available information on the ingredients, relevant finished-product or analogous-mixture data where available, and the applicable GHS 7 mixture-classification criteria.

12. ECOLOGICAL INFORMATION

Ecotoxicity

May harm aquatic organisms if released in quantities sufficient to raise the pH of the receiving water.

Persistence and Degradability

Biodegradation is not applicable to inorganic components.

Bioaccumulative Potential

Bioaccumulation is not expected.

Mobility in Soil

Low. The solid components have low solubility in water.

Other Adverse Effects

None known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recover or recycle the product where practicable. Dispose of residues, contaminated absorbents and packaging through a licensed waste contractor in accordance with applicable Commonwealth, state, territory and local requirements.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as dangerous goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road & Rail, Edition 7.9 (ADG Code).

UN number	None allocated.
UN proper shipping name	None allocated.
Transport hazard class	None allocated.
Packing group	None allocated.
Subsidiary risk(s)	None.
Environmental hazards for transport purposes	No.
Special precautions for user	Refer to Sections 6–8 for precautions concerning handling, spill response and personal protection.
Additional information	No additional information.
Hazchem code	None allocated.

15. REGULATORY INFORMATION

International conventions and agreements:

No specific international convention applicable to the product has been identified.

Safety, health and environmental regulations

Poisons scheduling: Not scheduled under the current Australian Poisons Standard.

16. OTHER INFORMATION

This Safety Data Sheet has been prepared in accordance with the Safe Work Australia Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals and the Globally Harmonized System of Classification and Labelling of Chemicals, Seventh Revised Edition (GHS 7), as adopted under Australian work health and safety legislation.

Date of preparation	17 November 2026
Supersedes SDS dated	21 September 2026
Revision number	3

Disclaimer

The information in this SDS is based on information reasonably available to the Australian manufacturer or importer at the date of preparation or review. It describes the product in relation to workplace health and safety requirements and is not a product specification or warranty of performance.

Each user of this safety data sheet or the product to which it relates must:

- Determine whether the information or product is suitable for their purpose;
- Assess and control any risks associated with the information or product; and
- Obtain professional advice in relation to the use of the information or product.

To the extent permitted by law, Lime Industries Pty Ltd:

- Excludes all representations, warranties and guarantees in relation to any information in this Safety Data Sheet; and
- Will not be liable for any direct, indirect, consequential, incidental, special or economic loss (including but not limited to any loss of actual or anticipated profits, revenue, savings, production, business opportunity, access to markets, goodwill, reputation, publicity, or use) arising from any use of or reliance on any information in this safety data sheet.