

A subsidiary of



Dolomitic Quicklime

DOLOMITIC QUICKLIME

1. Identification

Name on label: Lime (Unslaked)
Company Address: P.O. Box 400, Vredendal, 8160
Emergency Telephone No.: (27) (023) 6263190

2. Composition / Information on Ingredients

Composition: A complex mixture – mostly Ca(Mg)O
CAS No 37247-91-9
Appearance: Off-White lumps

3. Hazards Identification

A severe eye irritant. A skin, mucous membrane and respiratory system irritant.

4. First Aid Measures

Specific Immediate Treatment

Inhalation: Remove patient from exposure.
Obtain medical attention.

Skin Contact: Wash skin with plenty of water.
Obtain medical attention.

Eye Contact: Immediately irrigate with clean water, holding the eyelids apart for at least 20 minutes.
Obtain medical attention.

Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300ml (half a pint) of water to drink.
Obtain medical attention.

Further Professional Medical Assistance

Symptomatic treatment and supportive therapy as indicated.

5. Fire Fighting

Auto-ignition Temp. Flash Point LEL: UEL:

Non-combustible.

Extinguished media: to be determined by surrounding materials.

Special note: Avoid using water unless necessary for other materials, in which case, flood to absorb heat generated by hydration reaction.

6. Accidental Release

Precautions: Avoid breathing dust, avoid eye contact
Cleaning up: Shovel into well labeled containers for disposal or recovery. Prevent contact with water.

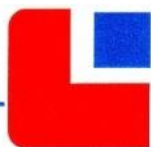
7. Handling and Storage

Handling:

Control dust formation. Avoid contact with eyes.

Storage:

Keep containers in well-ventilated area, away from acids and water.



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8. Exposure

TWA OEL-RL: 5mg/m³

Short Term OEL-RL:

Regulations for Hazardous Chemical Substances, OHS Act, 1993

Rubber gloves and full overalls are required.

Respiratory protection and safety goggles are required in dusty conditions.

9. Physical and Chemical Properties

Appearance:	Off White lumps
Melting point:	2580° C
pH:	11,7 (saturated aqueous solution)
Solubility:	(water 20 °C) 0.1g/100g solution , converted to a hydrate before dissolution occurs
Density:	Bulk Density 900 – 1200 kg/m ³ . Specific Gravity = 3.5-3.6

10. Stability and Reactivity

Hazardous decomposition products: none**Hazardous reactions:** Reacts violently with acids and water. Heat generated is sufficient to ignite surrounding paper, cloth or wood.**Incompatibility to other substances:** Boron tri-fluoride, chlorine tri-fluoride, ethanol, fluorine, hydrogen fluoride, phosphorus pentoxide, water and acids.

11. Toxicology

Inhalation:	Dust may cause irritations to the respiratory system and mucous membranes.
Skin Contact:	Produces 3 rd degree alkali burns on skins after 2 hours. (pH as high as 11.7)
Eye Contact:	Dust may cause severe irritation. Particles readily adhere to the conjunctiva, they often induce ulceration of the corneal epithelium and stromal opacities but rarely penetrate the iris or lens.
Ingestion:	May cause irritation to mucous membranes.
Long Term Exposure:	May cause dermatitis.

12. Ecology

Environmental fate, mobility, persistence, degradation, bio-accumulation and effect on effluent treatment:

LD₅₀/oral/rat 7340 mg/kgLD₅₀/ oral/redwing blackbird 111 mg/kg

13. Disposal

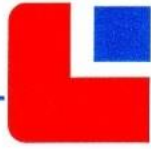
Disposal should be in accordance with local, provincial or national legislation. Bury on an authorized landfill site.

14. Transport

CAS No.:	37247-91-9
	Not regulated as dangerous for transport

15. Regulations

Users should ensure that they comply with any relevant local, provincial or national legislation.



CAPE LIME (Pty) Ltd

Reg. No. 1999/002171/07

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Material Safety Data Sheet

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16 Other

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequences thereof. It is the user's obligation to determine the conditions of safe use of the material.
