

# CAPE LIME (PTY) LTD

Issued: January 2014  
Page 1 of 2

## Material Safety Data Sheet

<b>LIME, UNSLAKED</b>			
<b>1. Identification:</b>	<b>QUICK LIME</b>		
<b>Name on label:</b>	<b>Lime (Unslaked)</b>		
<b>Company Address:</b>	<b>P.O. Box 400, Vredendal, 8160</b>		
<b>Emergency Telephone No:</b>	<b>(27) (027) 21 33090</b>		
<b>2. Composition / Information on Ingredients:</b>			
<b>Composition:</b>	A substance; calcium oxide, Cao CAS No 1305 - 78-8		
<b>Appearance:</b>	White crystalline powder		
<b>3. Hazards Identification:</b>			
A severe eye irritant. A skin, mucous membrane and respiratory system irritant.			
<b>4. First Aid Measures:</b>			
<b>Specific Immediate Treatment:</b>			
<b>Inhalation:</b>	Remove patient from exposure. Obtain medical attention.		
<b>Skin Contact:</b>	Wash skin with plenty of water. Obtain medical attention.		
<b>Eye Contact:</b>	Immediately irrigate with clean water, holding the eyelids apart for at least 20 minutes. Obtain medical attention.		
<b>Ingestion:</b>	Do not induce vomiting. Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention.		
<b>Further Professional Medical Assistance</b>			
Symptomatic treatment and supportive therapy as indicated.			
<b>5. Fire Fighting</b>			
<b>Auto-ignition Temp.</b>	Flash Point	LEL:	UEL:
Non-combustible. Extinguished media: to be determined by surrounding materials.			
<b>6. Accidental Release:</b>			
<b>Precautions:</b>	Avoid breathing dust, avoid eye contact		
<b>Cleaning up;</b>	Shovel into well labeled containers for disposal or recovery. Prevent contact with water.		
<b>7. Handling and Storage:</b>			
<b>Handling:</b> Control dust formation. Avoid contact with eyes.			
<b>Storage:</b> Keep containers in well-ventilated area, away from acids and water.			

<b>8. Exposure and Chemical Properties:</b>	
TWA OEL-RL: 5mg/m <sup>3</sup>	Short Term OEL-RL:
<b>Regulations for Hazardous Chemical Substances, OHS Act, 1993</b>	
Rubber gloves and full overalls are required.	
Respiratory protection and safety goggles are required in dusty conditions.	
<b>9. Physical and Chemical Properties:</b>	
<b>Appearance:</b>	White crystalline powder
<b>Melting point:</b>	2580° C
<b>pH:</b>	11,8 (saturated aqueous solution 0,15%)
<b>Solubility:</b>	(water) 1.85 g/l at 0°C , converted to a hydrate before dissolution occurs
<b>Density:</b>	1,4 g/cm <sup>3</sup> Bulk Density 900 – 1200 kg/m <sup>3</sup>
<b>10. Stability and Reactivity:</b>	
Hazardous decomposition products: none	
Hazardous reactions: Reacts violently with acids and water.	
<b>11. Toxicology</b>	
<b>Inhalation:</b>	Dust may cause irritations to the respiratory system and mucous membranes.
<b>Skin Contact:</b>	Produces 3 <sup>rd</sup> degree alkali burns on skins after 2 hours. (pH as high as 12,2)
<b>Eye Contact:</b>	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.
<b>Ingestion:</b>	May cause irritation to mucous membranes.
<b>Long Term Exposure:</b>	May cause dermatitis.
<b>12. Ecology:</b>	
Environmental fate, mobility, persistence, degradation, bio-accumulation and effect on effluent treatment: LD <sub>50</sub> /oral/rat 7340 mg/kg LD <sub>50</sub> / oral/redwing blackbird 111 mg/kg	
<b>13. Disposal:</b>	
Disposal should be in accordance with local, provincial or national legislation. Bury on an authorized landfill site.	
<b>14. Transport</b>	
<b>CAS No.</b>	1305-78-8 Not regulated as dangerous for transport
<b>15. Regulations:</b>	
Users should ensure that they comply with any relevant local, provincial or national legislation	
<b>16 Other:</b>	
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.	