

**Vredendal Office**

Postal address: PO Box 400, Vredendal 8160  
Telephone: 027 – 213 3090/ 027 – 201 1200  
Email: [sales.vredendal@afrimat.co.za](mailto:sales.vredendal@afrimat.co.za)

**Robertson Office**

Postal address: PO Box 134, Robertson 6705  
Telephone: 023 – 626 3190  
Email: [sales.langvlei@afrimat.co.za](mailto:sales.langvlei@afrimat.co.za)  
Website: [www.capelime.co.za](http://www.capelime.co.za)  
[www.afrimat.co.za](http://www.afrimat.co.za)

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**Material Safety Data Sheet – [IKALIKA PAINT]®**

Issued: January 2023

DOLOMITIC LIME BASED PAINT

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**1. Identification-**

Suspension of dolomitic lime and pigments

**Name on label:**

Ikalika Paint

**Manufactured by:**

Cape Lime Company (PTY) Ltd  
P.O. Box 400, Vredendal, 8160

**Emergency Contact:**

(+27) (023) 6263190

**Identified uses:**

Decorative and hygiene coating of buildings.



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**2. Hazards Identification- Hazardous**

**GHS classification:**

Hazard pictograms

**Health Hazards:**

Causes skin irritation.

Causes serious eye damage.



Harmful/Irritant

Corrosives

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### 3. Composition / Information on Ingredients-

**Composition:**

A complex mixture; calcium magnesium hydroxide, CaMg(OH)<sub>4</sub> CAS No 39445-23-3 70-90%  
calcium magnesium hydroxide oxide, Ca(OH)<sub>2</sub>MgO CAS No 58398-71-3 70-90%

<b>Ingredient name</b>	<b>CAS number</b>	<b>Inclusion Mass%</b>
Calcium Hydroxide	1305-62-0	9 - 17
Magnesium oxide	1309-48-4	5 - 9
Magnesium Hydroxide	1309-42-8	7 - 12
Propylene Glycol	57-55-6	1 – 3

Any concentration shown as a range is due to the chemical composition, batch variation or the dolomite mineral.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

**Appearance:**

Coloured Suspension; Viscous liquid

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### 4. First Aid Measures-

**Specific Immediate Treatment****Inhalation:**

Remove affected person/s to fresh air immediately. Obtain medical attention if necessary. If breathing has stopped administer artificial respiration and obtain immediate medical assistance.

**Skin Contact:**

Wash skin thoroughly with plenty of water. Seek medical attention immediately.

**Eye Contact:**

Immediately irrigate affected eye/s with generous amounts of clean water for at least 20 minutes. Pull back the eyelid and ensure all lime dust has been washed out. Obtain medical attention immediately. Do not rub eyes.

**Ingestion:**

Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

**Most Important Symptoms:**

Irritation of skin, eyes or gastrointestinal tract.

**Immediate medical attention/special treatment:**

See first aid information above. Note to Physicians: Provide general supportive measures and treat symptomatically.

Where required seek immediate Professional Medical Assistance and/or Symptomatic treatment and supportive therapy as indicated.

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## 5. Fire Fighting-

Ikalika Paint does not burn. Use extinguisher / firefighting media appropriate for material burning.

### **Suitable (and unsuitable) fire extinguishing media:**

None known.

### **Specific hazards arising from the product:**

No specific fire or explosion hazards.

This product can be very slippery and can result in a slip hazard.

### **Hazardous Combustion Products:**

None known.

### **Special protective equipment and precautions for fire fighters:**

Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA) to prevent inhalation, skin or eye contact.

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## 6. Accidental Release-

### **Personal precautions, protective equipment, emergency procedures:**

Avoid eye and skin contact. Wear appropriate protective clothing as described in section 8.

### **Methods and materials for containment and clean up:**

#### **Small spills**

Wear appropriate protective clothing as described in section 8.

Attempt to contain and recover as much of the spillage into containers as possible.

Residue on surfaces may be removed with copious amount of water.

#### **Large Spillages**

Wear appropriate protective clothing as described in section 8.

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil. Prevent entry into sewers, water courses, basements, or confined areas. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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## 7. Handling and Storage-

### **Safe Handling:**

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Wear appropriate protective clothing as described in section 8.

An eye wash station should be readily available where this product is handled.

### **Safe Storage:**

Store in original packaging protected from direct sunlight in a dry, cool and well-ventilated area. Keep containers sealed until ready for use. Do not store in unlabelled packaging. Use appropriate containment to avoid environmental contamination.

**8. Exposure Controls/Personal Protection -**

Exposure Limits: Calcium Hydroxide TWA OEL-RL: 5mg/m<sup>3</sup> Short Term OEL-RL: 20mg/m<sup>3</sup>  
Magnesium Oxide TWA OEL-RL: 10mg/m<sup>3</sup>

Respiratory protection, gloves and safety goggles are required in dusty conditions.

**Engineering Controls:**

Use with adequate general or local exhaust ventilation and / or containment enclosures to maintain exposure below occupational exposure limits.

**Environmental Exposure Controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Individual Protection Measures (Personal Protective Equipment)-**

**Hygiene measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Ensure that an emergency eye wash fountain and shower are close to the workstation location.

**Specific Eye / Face Protection:** Safety glasses with side shields are recommended in windy conditions, or if work activity generates splashing. Contact lenses should not be worn.

**Specific Skin Protection:**

When there is a risk of skin contact, wear appropriate clothing and gloves to prevent contact.

Rubber or PVC gloves and full overalls are required.

**Specific Respiratory Protection:**

None indicated for wet products.

**Other skin protection:**

Wear appropriate footwear.



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9. **Physical and Chemical Properties-**

Appearance : Viscous Liquid (various colours)  
Odour : Odourless  
Melting point :  
pH : Typical 12  
Solubility : Soluble in water  
Density : 1,1 g/cm<sup>3</sup>

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10. **Stability and Reactivity-**

**Reactivity:**

Reacts with acids to form calcium and magnesium salts, releasing heat. Reacts over time with carbon dioxide in air to form calcium magnesium carbonate. See also Incompatibility below.

**Chemical stability:**

Stable under normal storage and handling conditions.

**Conditions to avoid:**

Vicinity of incompatible materials.

**Incompatibility-**

This product should not be mixed or stored with the following materials, due to the potential for violent reaction and release of heat:

- acids
- reactive fluoridated compounds
- reactive brominated compounds
- reactive powdered metals
- reactive phosphorous compounds
- aluminium powder

**Hazardous decomposition products:**

None

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11. **Toxicology-**

**Inhalation:**

The high pH may cause severe irritations to the respiratory system and mucous membranes.

**Skin Contact:**

Contact can cause severe irritation or burning of skin. Produces 3rd degree alkali burns on skins after 2 hours. (pH as high as 12,2).

**Eye Contact:**

May cause severe irritation. Suspended 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:**

This product can cause severe irritation or burning of gastrointestinal tract if swallowed.

**Long Term Exposure:**  
May cause dermatitis.

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**12. Ecology-**

**Toxicity:**

Environmental fate, mobility, persistence, degradation, bioaccumulation and effect on effluent treatment:  
Calcium Hydroxide: LD<sub>50</sub>/oral/rat 7340 mg/kg

Because of the elevated pH of this product, it might be expected to produce some ecotoxicity upon exposure to certain aquatic organisms and aquatic systems in high concentrations.

**Persistence and Degradability:**

Over time Ikalika Paint will recarbonate to form dolomite – a widely used agricultural liming material which may be taken up / utilised by plants.

**Bioaccumulative Potential:**

This material shows no bioaccumulation effect or food chain concentration toxicity.

**Mobility in Soil:**

Ikalika Paint is not mobile in soil. Over time Ikalika Paint will recarbonate to form dolomite – a widely used agricultural liming material which may be taken up / utilised by plants. Ikalika Paint will elevate the soil pH.

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**13. Disposal Considerations-**

**Waste Treatment Methods:**

Disposal of material should comply with local, provincial, or national legislation. Bury on an authorized landfill site. Do not dispose of material in natural water ways including lakes, dams, rivers, or the ocean.

**Disposal of Packaging:**

Ikalika Paint is packaged in a non-refillable container. Do not reuse or refill this container. If empty: Do not reuse this container. Place in waste disposal container or offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Physical / Chemical properties affect waste treatment options:**

Ikalika Paint has an elevated pH that needs to be considered when handling the product for disposal.

**Sewage Disposal:**

Ikalika Paint in sewage or septic tank systems may negatively impact the bacteria populations because of its high pH.

**Special Precautions:**

Ikalika Paint has an elevated pH and needs to be considered when handling the product for disposal. Refer to sections 6, 7 and 8 as required.

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**14. Transport-**

The product is not classified as dangerous for carriage.

Ikalika Paint should always be transported in sealed containers and adequately secured. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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**15. Regulations-**

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

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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.