ALCOLIN READY MIXED MORTAR
SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier
Product name: Alcolin Ready Mixed Mortar
Chemical family: Cement

1.2. Intended use of the product
Ready mixed mortar for small jobs such as plastering, repairs, bricklaying, etc.

1.3. Name, address, and telephone of the responsible party
Company: Permoseal (PTY) Ltd
Address: 1 Beverley Close, Montague Gardens, 7441, Cape Town, South Africa
Phone: +27-21-555-7400
Toll-free No.: 0800-222-400
Website: www.alcolin.com

1.4. Emergency phone number
+27-21-555-7400

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
GHS Classification: This product is hazardous

2.2. Label elements
GHS Labelling:
- This product is classified and labelled according to the CLP regulation.
- Hazard pictogram:

![GHS 05](image1)
![GHS 07](image2)

2.3. Signal word
Warning

2.4. Hazard determining components of labelling:
Portland cement, calcium hydroxide

2.5. Hazard statements:
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H335: May cause respiratory irritation
2.6. Precautionary statements:

P102  Keep out of reach of children.
P280  Wear protective gloves / eye protection.
P271  Use only outdoors or in well-ventilated area
P201  Obtain special instructions before use.
P261  Avoid breathing dust
P302+P352  If on skin: Wash with plenty of soap and water.
P305+P351+P338  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P402+P404  Store in a dry place. Store in a closed container.

2.7. Other Hazards
May cause skin, eye and respiratory irritation. Long term exposure may lead to contact dermatitis.

2.8. Unknown acute toxicity
No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Contents (%)</th>
<th>Classification of Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>10 - 25</td>
<td>Skin Irrit.: Cat 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens.: Cat 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam.: Cat 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE: Cat 3</td>
</tr>
<tr>
<td>Calcium hydroxide</td>
<td>1305-62-0</td>
<td>5 - 10</td>
<td>Skin Irrit.: Cat 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens.: Cat 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam.: Cat 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE: Cat 3</td>
</tr>
</tbody>
</table>

4. FIRST- AID MEASURES

4.1. Description of first aid measures

General  Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
Inhalation  Move to fresh air. If irritation persists, seek medical attention.
Skin contact  Wash skin with mild soap and water. Seek medical attention if irritation persists.
Eye contact  Rinse cautiously with water for 15 minutes. Remove any contact lenses if present and easy to do. Continue rinsing. Obtain medical attention.
Ingestion  Rinse mouth. Do not induce vomiting. Get the affected person to drink a lot of water in small gulps. Obtain medical attention.

4.2. Most important symptoms and effects both acute and delayed

General  May cause irritation
Inhalation  Prolonged exposure at high dust concentrations may increase the risk of developing lung diseases.
Skin contact  May cause irritation to skin. Long term exposure may lead to contact dermatitis.
Eye contact  May cause severe irritation to eyes.
Ingestion  Ingestion in a harmful quantity is very unlikely to occur.

Indication of any immediate medical attention and special treatment needed

Note to physicians  Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media  Will not burn. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable ext. media  Not applicable
5.2. Special hazards arising from the substance or mixture

- **Fire hazard**: Not flammable
- **Explosion hazard**: Product is not explosive

5.3. Advice for firefighters

- **Firefighting instructions**: Exercise caution when fighting any chemical fire.
- **Protection during firefighting**: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.
- **Hazardous combustion products**: Carbon monoxide, Carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- **General measures**: Contaminated surfaces will become very slippery.

6.2. For non-emergency personnel

- **Protective equipment**: Use appropriate personal protection equipment (PPE)
- **Emergency procedures**: Evacuate unnecessary personnel.

6.3. For emergency personnel

- **Protective equipment**: Use appropriate personal protection equipment (PPE)
- **Emergency procedures**: Secure the area and evacuate unnecessary personnel.

6.4. Environmental precautions

- Prevent entry to sewers and public waters.

6.5. Methods and materials for containment and cleaning up

- **For containment**: Absorb or contain spill with inert material.
- **Methods for cleaning up**: Remove in a dry state if possible. Addition of water will eventually cause the product to set as a solid. If product has been mixed with water, scrape off the ground preferably before setting has occurred. Place in a container suitable for disposal.

6.6. Reference to other sections

- Refer to Section 8, Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- **Handling temperature**: Normal ambient temperature
- **Hygiene measures**: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

- **Storage conditions**: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Minimize contact with atmosphere to prevent premature setting due to moisture in atmosphere.
- **Incompatible materials**: Strong acids
- **Maximum storage period**: 9 months, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

- **Exposure limits**:

<table>
<thead>
<tr>
<th>Name</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland cement</td>
<td>5 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Calcium hydroxide</td>
<td>5 mg/m³</td>
<td>-</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Engineering controls: Provide good ventilation when handling large quantities. No special measures are required if stored and handles as above.

Personal protective equipment: Use appropriate personal protection equipment (PPE).

Hand protection: Heavy duty rubber gloves should be worn if there is a risk of direct contact onto skin.

Eye protection: Safety glasses.

Skin and body protection: Observe the usual precautions when handling chemicals. Wear overalls and closed footwear.

Respiratory protection: Dust mask if there is a risk of airborne dust.

Other information: When using, do not eat or drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Grey lump-free powder</td>
</tr>
<tr>
<td>Odour</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>Product alkalinity can exceed pH 12 when mixed with water</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>Not flammable, non-combustible</td>
</tr>
<tr>
<td>Solubility water</td>
<td>Slightly soluble</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>None expected under normal conditions</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Stable under normal conditions</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Product alkalinity can exceed pH 12 when mixed with water</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Will solidify over a period of hours if moistened or wet</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Oxidizing acids</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Thermal decomposition may release carbon dioxide and carbon monoxide</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good hygiene and safety precautions are followed. When exposed, dust acts as a skin and respiratory system irritant. Long term exposure may lead to contact dermatitis.

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. Based on its components, this product is unlikely to result in any detrimental ecological effects. The resulting high pH when mixed with water may endanger aquatic life.

13. DISPOSABLE CONSIDERATIONS

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewage disposal recommendations</td>
<td>Do not dispose waste into sewer.</td>
</tr>
<tr>
<td>Waste disposal recommendations</td>
<td>Whatever cannot be saved for recovery or recycling should be disposed of in accordance with current local legislation.</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Mode of Transport</th>
<th>ADR / RID</th>
<th>IMDG</th>
<th>ADNR</th>
<th>IATA</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road / rail transport</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Transport</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Inland waterways</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air transport</td>
<td></td>
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</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

15.1. Labelling: Classified as a hazardous product

15.2. National legislation: None
16. OTHER INFORMATION

16.1. Information sources
This SDS is prepared based on the information received from the suppliers

16.2. Full text of H-phrases referred to under Section 3
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H335 May cause respiratory irritation

16.3. Additional information
This document has been prepared in accordance with the SDS requirements of SANS 11014:2010
For intended use and applications see the Technical Date Sheet for the product. The information provided in this Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our product must take responsibility for observing existing laws and regulations.

Revision date November 2019