ALCOLIN PERMOCRETE 1K PRIMER

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name	Alcolin Permocrete 1K Primer
Chemical family	Cement based product

1.2. Intended use of the product

Suitable for priming and protection of metal rebars prior to the repair of structural concrete. Can also be used to prime concrete and masonry substrates

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

GHS 07

2.3. Signal word Warning

2.4. Hazard determining components of labelling:

Portland cement

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.

Ingredient	CAS No.	Contents (%)	Classification of Substance
Portland Cement	65997-15-1	40 - 50	Skin Irrit.: Cat 2 Skin Sens.: Cat 1 Eye Dam.: Cat 1 STOT SE: Cat 3

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 nose or airway blockage occurs, 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.

4.3. 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	Under certain conditions of combustion, traces of toxic substances cannot be excluded.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	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	Wear protective clothing with eye/face protection. Wear a dust mask if airborne dust is present.
Emergency procedures	Secure the area and evacuate unnecessary personnel.

6.4. Environmental precautions

Avoid contamination of ground and water surfaces.

6.5. Methods and materials for containment and cleaning up

For containment	Absorb and 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 oxidizing agents
Maximum storage period	9 months, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Exposure limits:

Name	TWA - 8 hrs	STEL - 15 min
Portland cement	5 mg/m^3	-

8.2. Exposure controls

Engineering controls	Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above
Personal protective equipment	Use appropriate personal protection equipment (PPE)
Hand protection	Heavy duty rubber gloves should be used 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

Appearance	Red lump-free powder
Odour	None
pH	Product alkalinity can exceed pH 12 when mixed with water
Flash point (°C)	Not flammable, non-combustible
Solubility water	Slightly soluble

10. STABILITY AND REACTIVITY

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

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. DISPOSIBLE CONSIDERATIONS

Sewage disposal recommendations	Do not dispose waste into sewer.
Waste disposal recommendations	Whatever cannot be saved for recovery or recycling should be disposed of in accordance with current local legislation.

14. TRANSPORT INFORMATION

Road / rail transport	ADR / RID	Not regulated
Marine Transport	IMDG	Not regulated
Inland waterways	ADNR	Not regulated
Air transport	IATA	Not regulated

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.

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