



ALCOLIN SLATE UNDERLAY

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Alcolin Slate Underlay
Chemical family Bitumen

1.2. Intended use of the product

Waterproofing applications for construction i.e. building, roof gardens, bridges, reservoirs, dams, canals, tunnels, etc.

1.3. Name, address, and telephone of the responsible party

Company: Permo seal (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 not hazardous

2.2. Label elements

GHS Labelling No labelling applicable

2.3. Other Hazards

- Health risk: Acute nose and throat irritation are possible during the heat treatment and application of the product, especially indoors or in poorly ventilated environments, due to inhalation of potentially hazardous substances such as gas and condensed fumes.
- Safety risk: The molten product may adhere to the skin and cause burns.
- Environmental risk: membranes may cause long-term adverse effects because their components are not biodegradable.

2.4. Unknown acute toxicity

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is not hazardous.

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 In case of long-term inhalation of fumes, move person to fresh air. Obtain medical attention.
Skin contact In case of skin contact with molten product, immediately flush skin with plenty of fresh water. Do not pull solidified product away from the skin by using solvents. Remove contaminated clothing immediately and seek medical attention.

Eye contact Rinse cautiously with water for 15 minutes. Remove any contact lenses if present and easy to do. Continue rinsing and obtain medical attention. Do not pull product away from the eye.

Ingestion Rinse mouth. Seek medical attention immediately.

4.2. Most important symptoms and effects both acute and delayed

General May cause irritation in the molten state.

Inhalation May cause nose and throat irritation.

Skin contact May cause skin irritation.

Eye contact May cause eye irritation.

Ingestion May be harmful if swallowed.

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 Dry chemical powder, foam, carbon dioxide, nebulized water

Unsuitable ext. media Do not use direct stream of water

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 Thermal decomposition may release toxic fumes

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures None

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 product from entering sewage or drains.

6.5. Methods and materials for containment and cleaning up

For containment None

Methods for cleaning up If recovery is not feasible, absorb with inert material. Place in a container suitable for disposal. Dispose of in accordance with current local legislation.

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. Protect material from heat and direct sunlight (temperature 0 – 40°C) and keep away from electrical equipment. Keep rolls in a vertical position, do not stack them.
Incompatible materials	Oxidizing agents
Maximum storage period	2 years, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

There are no established exposure limits for this product.

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 PPE
Eye protection	Safety glasses
Skin and body protection	Gloves and safety shoes are recommended
Respiratory protection	Not required under normal conditions of use in a well-ventilated space. In case of indoors or inadequate ventilation system, use respiratory protection equipment.
Other information	When using, do not eat or drink

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Bitumen membrane rolls
Odour	Slight bitumen odour
Boiling Point	> 470°C ca. (bitumen)
Melting Point	> 100°C (bitumen)
Flash Point	> 230°C ca. (bitumen)
Auto-ignition Temperature	> 485°C ca. (bitumen)
Explosive Properties	No
Solubility Water	No
Solubility Solvents	Organic solvents, oils

10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None expected under normal conditions
Conditions to avoid	Heat and open flame
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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.

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.

13. DISPOSABLE 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.

