



ALCOLIN PERMO-TORCH HP

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Alcolin Permo-Torch HP
Chemically family Distilled bitumen and elasto-plastic polymers

1.2. Intended use of the product

Water-proofing applications

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 in indoor or poorly ventilated environments, due to the inhalation of potentially hazardous substances such as gas and condensed fumes.
- **Safety Risk:** The molten product may adhere to the skin and may cause burns. The presence of inflammable materials (HC vapours, etc.) may cause fire events.
- **Environmental Risks:** 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, consists of a mixture of penetration grade bitumen and polyolefin and/or elastomer polymers, manufactured in membrane rolls.

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. Seek medical assistance.
Skin contact	In case of skin contact with molten product, immediately flush with plenty of water. Do not pull solidified product away from skin by using solvents. Remove any contaminated clothing and seek medical attention.
Eye contact	Rinse cautiously with water for 15 minutes. Remove any contact lenses if present and easy to do. Do not pull product away from the eye. In case of irritation by fumes, wash out with cold water. Obtain medical attention.
Ingestion	Rinse mouth. Seek immediate medical attention.

4.2. Most important symptoms and effects both acute and delayed

General	Non hazardous
Inhalation	May cause throat and nose irritation, especially in poorly ventilated environments.
Skin contact	Molten products can adhere to skin and can cause burns.
Eye contact	May cause eye irritation after long-term exposure
Ingestion	Not expected to show any significant signs or symptoms indicative of any adverse health hazard.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically
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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	Black smoke, Carbon dioxide or carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Contaminated surfaces will become very slippery.
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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	Absorb and or contain spill with inert material.
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 (0°C - 40°C)
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. Do not store near heat or open flame or near electrical equipment. Keep rolls in a vertical position, do not stack them horizontally.
Incompatible materials	Oxidising 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 personal protection equipment (PPE)
Hand protection	Use heat resistant gloves while torching on product
Eye protection	Safety glasses
Skin and body protection	Wear long sleeve shirt, trousers and safety shoes
Respiratory protection	Not required under normal conditions of use in a well-ventilated space. In case of indoor or poorly ventilated environment, the use of particulate filter respirators against solid and liquid particles is recommended.
Other information	When using, do not eat or drink

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown/black membrane rolls
Odour	Bituminous
Density	1.5 g/ml
Flash Point (°C)	>230
Boiling Point (°C)	>470
Melting Point (°C)	>100
Solubility water	Insoluble
Lipid solubility	Soluble (organic solvents and oils)

10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions – product is chemically inert
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 may generate a dispersion of polycyclic aromatic compounds, carbon dioxide/monoxide

11. TOXICOLOGICAL INFORMATION

The product consists of a mixture of distilled bitumen and polyolefin and/or elastomer polymers and reinforcements. The product is classified as non-hazardous. The open flame operations involved in the application of this product could generate dispersion of potentially hazardous substances, of which polycyclic aromatic compounds is a possibility.

Acute Health Hazards:

- May cause eye and skin irritation
- May cause nose and throat irritation
- Repeated long-term exposure needs regular medical examination

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

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

EU regulations:

Classification and labelling have been determined according to the EU Directives 67/548 EEC and 1999/46/EC (including amendments) and taking into account the intended product use.

16. OTHER INFORMATION

16.1 Checking application temperature

Correct Temperature: This is indicated by the complete retraction of the fusible surfacing film and the blackening of talc/mineral finishing surface. In any event, the molten stream should bleed out from the overlapped sheets.

Open Flames: Avoid open flames, keep fire extinguishing media available.

Flame colour During the application of the product, the colour of the flame has to be blue. If the colour of the flame is reddish, it means that too much heat has been reached; this is not a correct and good practice.

Revision date March 2017

This document has been prepared in accordance with the SDS requirements of SANS 11014:2010

For intended use and applications see the Technical Data 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