



ALCOLIN EPOXY BOND (Base)

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Alcolin Epoxy Bond (Base)
Chemical family Epoxy Resin

1.2. Intended use of the product

2-part, clear, fast setting polymer compound that mixes easily enabling fast permanent repairs to many surfaces

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 Hazardous mixture

2.2. Label elements

GHS Labelling

- This product is classified and labelled according to the CLP regulation.

- Hazard pictograms**



GHS07



GHS09

- Signal word: Warning**

- Hazard determining components of labelling:**

Reaction product: Bisphenol-A epichlorhydrin epoxy resin

- Hazard statements**

H411 Toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction

- **Precautionary statements**

P261 Avoid breathing vapours.
P280 Wear protective gloves / eye protection.

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.
P333+P313 If skin irritation or rash occurs: Seek medical attention.
P501 Dispose of contents/containers in accordance with national regulations.

- **Additional information**

Contains epoxy constituents. May produce an allergic reaction.

2.3. Other Hazards

No additional information available.

Unknown acute toxicity

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixture

3.2 Dangerous Components

HAZARDOUS COMPONENT	CAS NUMBER	PERCENTAGE
Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)	25068-38-6	<50%
Formaldehyde, polymer with 1,3 dimethylbenzene	26139-75-3	<5%

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 Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness, place patient in a side position for transportation.

Skin contact Wash skin with soap and water and rinse thoroughly. 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 Breathing in vapours pose a health risk.

Skin contact May cause sensitization by skin contact. Contains epoxy constituents, may produce an allergic reaction.

Eye contact Irritant to eyes and skin.

Ingestion Hazardous if swallowed.

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	Water, dry chemical powder, foam, carbon dioxide or sand
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

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 entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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
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.
Incompatible materials	Organic solvents, strong acids, strong alkalis and salts. Reacts with amines.
Maximum storage period	24 months, 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 handled as above.
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Personal protective equipment	Use appropriate personal protection equipment (PPE)
Hand protection	Chemical resistant, impermeable gloves
Eye protection	Safety goggles or safety glasses with side shields
Skin and body protection	Use a protective suit
Respiratory protection	Not required under normal conditions of use in a well-ventilated space
Other information	When using, do not eat or drink

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White-Grey paste
Odour	Characteristic
Density (g/cm ³)	Approximately 1.56
Flash point (°C)	> 100
Solubility water	Insoluble

10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Reacts with amines
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	None
Hazardous decomposition products	Thermal decomposition forms toxic pyrolysis products

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- **Acute Toxicity:** This product has not undergone any toxicological testing.
- **Primary irritant effect:**
 - On the skin:** Irritant to skin and mucous membranes.
 - On the eye:** Irritating effect.
 - Sensitisation:** Possible through skin contact.
- **Acute and chronic health effects:** Not expected as long as good industrial hygiene and safety precautions are followed.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. It is however toxic to fish and other aquatic organisms and poses a danger to drinking water if even small quantities leak into the ground. No quantitative data is available but product does have a regulation of Class 2 (German Regulation) – hazardous for water.

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

14.1 UN Number

ADR, ADN, IMDG, IATA UN 3082

14.2 UN Proper Shipping Name

ADR/ADN Environmentally hazardous substance, liquid, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin, bisphenol F epoxy resin)

IMDG Environmentally hazardous substance, liquid, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin, bisphenol F epoxy resin), Marine Pollutant

IATA Environmentally hazardous substance, liquid, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin, bisphenol F epoxy resin)

14.3 Transport hazard class

- **ADR, ADN, IMDG, IATA LABEL**

CLASS Miscellaneous dangerous substances and articles

14.4 Packing group

- **ADR, ADN, IMDG, IATA** III

14.5 Environmental hazards

- **Marine pollutant (IMDG), Special marking (ADR/AND), Special marking (IATA)**



14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles

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

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