



# ALCOLIN EXPANSION JOINT SEALER

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### 1.1. Product identifier

Product name Alcolin Expansion Joint Sealer  
Chemical family Neutral curing silicone sealant

#### 1.2. Intended use of the product

Silicone sealant for sealing expansion joints in concrete, screed, plaster and boards

#### 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](http://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

Product hydrolyses, producing ethanol (CAS no. 64-17-5). Ethanol is highly flammable

#### 2.4. Unknown acute toxicity

No data available

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is not hazardous.

Ingredients	CAS Number	Content (%)	Classification of Substance
Vinyltrimetoxysilane	2768-02-7	1 – 2.5 %	Acute tox.: Cat 4 Flam liq.: 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	Take the person into the fresh air. Seek medical advice.
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. Obtain medical attention.

### 4.2. Most important symptoms and effects both acute and delayed

General	May cause irritation in the uncured state. This product releases ethanol while it cures. Once cured, product is not expected to cause any irritation.
Inhalation	None expected under normal conditions of use.
Skin contact	May cause skin irritation in the uncured state.
Eye contact	May cause eye irritation in the uncured state.
Ingestion	Harmful if swallowed.

### 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	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	Product may release ethanol. Flammable vapours may accumulate and form explosive mixtures with air in containers.
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	Do not get in eyes or skin, or on clothing.
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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	Do not store with oxidizing agents.
Maximum storage period	9 months, but may vary depending on storage conditions.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

Ingredients	CAS Number	Content
Ethanol	64-17-5	8 hours TWA: 1000ppm 8 hours TWA: 1880 mg/m <sup>3</sup>

### 8.2. Exposure controls

Engineering controls	Provide good ventilation when handling large quantities. No special measures are required if handled as above. Suitable respiratory protection should be worn if the product is used in large quantities, confined or poorly ventilated spaces where the OEL may be exceeded.
Hand protection	Rubber gloves should be used if there is a risk of direct contact onto skin.
Eye protection	Safety glasses
Skin and body protection	Not required
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	Grey homogenous paste
Odour	Characteristic – ethanol
Density (g/cm <sup>3</sup> )	Approximately 1.46
pH	Approximately 8
Flash point (°C)	>200
Solubility in water	Insoluble
VOC content (g/l)	35

## 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	Direct sunlight. Extremely high or low temperatures.
Incompatible materials	Oxidising and highly alkaline or acidic materials.
Hazardous decomposition products	By hydrolysis, ethanol. Thermal decomposition releases carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

## 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.

### Further toxicological information

Under hydrolysis, this product releases a small quantity of ethanol (67-17-5) which irritates the mucous membranes, slightly irritates the skin, degrades the skin, is narcotic and may cause liver damage.

## 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.

### Further ecological information

The silicone content is biologically not degradable. The product of hydrolysis (ethanol) is readily biodegradable. Bioaccumulation is not expected to occur. Mobility in soil – polymer component is insoluble in 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

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	Not classified as hazardous
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

H226	Flammable liquid and vapour
H332	May be harmful if inhaled

### 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 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.

Revision date	November 2018
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