



# ALCOLIN VINOSEAL

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### 1.1. Product identifier

Product name Alcolin Vinoseal  
Chemical family Polyvinyl butyl rubber solution

#### 1.2. Intended use of the product

A heavy duty, liquid vinyl waterproofing coating

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

Company: Permoséal (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 hazardous

#### 2.2. Label elements

GHS Labelling

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



GHS02

GHS07

GHS08

GHS09

2.3. Signal word: Danger

#### 2.4. Hazard determining components of labelling:

Ethylol, Di-butyl phthalate

#### 2.5. Hazard statements

H225 Highly flammable liquid and vapour  
H319 Causes eye irritation  
H304 May be fatal if swallowed and enter airways  
H315 Causes skin irritation  
H336 May cause drowsiness or dizziness  
H360 May damage fertility or the unborn child  
H411 Toxic to aquatic life with long lasting effects

## 2.6. Precautionary statements

|                |                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------|
| P102           | Keep out of reach of children                                                                                                   |
| P210           | Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking.                                   |
| P261           | Avoid breathing vapours                                                                                                         |
| P280           | Wear protective gloves / eye protection                                                                                         |
| 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                                                                       |
| P273           | Avoid release to the environment                                                                                                |
| P501           | Dispose of contents/containers in accordance with national regulations                                                          |

## 2.7. Additional information

No additional information available

## 2.8. Other Hazards

No additional information available.

## 2.9. Unknown acute toxicity

No data available

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is hazardous

| Ingredient Name   | CAS Number | Percentage (%) | Classification of substance                                       |
|-------------------|------------|----------------|-------------------------------------------------------------------|
| Ethylol           | 64-17-5    | 60 - 70        | Flam liq.: Cat 2                                                  |
| Dibutyl phthalate | 84-74-2    | < 2            | Reprod.: Cat 1B<br>Aquatic Acute: Cat 1<br>Aquatic Chronic: Cat 2 |

## 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 attention.                                           |
| Inhalation   | Move to fresh air. If nausea and dizziness persists, seek medical attention.                                                                 |
| 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. Obtain medical attention.                                                                               |

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

|              |                                                                                                                                                                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General      | May cause irritation.                                                                                                                                                                                                                             |
| Inhalation   | May cause irritation to the respiratory system. Prolonged inhalation may cause headaches, drowsiness and fatigue. High concentrations of vapours are anesthetic in nature causing central nervous system effects such as dizziness and confusion. |
| 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 | Water fog, dry chemical powder, foam, carbon dioxide |
| Unsuitable ext. media        | Water jets                                           |

### 5.2. Special hazards arising from the substance or mixture

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Fire hazard      | Flammable                                           |
| Explosion hazard | Solvent vapour may form explosive mixtures with air |

### 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 slippery.

### 6.2. For non-emergency personnel

Protective equipment Use appropriate personal protection equipment (PPE) including solvent masks  
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. Do not store near heat or open flame.  
Incompatible materials Strong oxidizing agents  
Maximum storage period 12 months, but may vary depending on storage conditions.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

| Name               | TWA - 8 hrs.           | STEL - 15 min |
|--------------------|------------------------|---------------|
| Ethylol            | 1900 mg/m <sup>3</sup> | -             |
| Di-butyl Phthalate | 5mg/m <sup>3</sup>     | -             |

### 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 Use protective latex or nitrile gloves to prevent contact  
Eye protection Safety goggles or safety glasses with side shields  
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/ aluminium viscous liquid             |
| Odour                        | Characteristic                              |
| Density (g/cm <sup>3</sup> ) | Approximately 0.9                           |
| Flash point (°C)             | 12                                          |
| Boiling point (°C)           | 79                                          |
| Solubility in water          | Insoluble                                   |
| Solubility solvent           | Soluble in Methanol, Diethyl ether, Acetone |

## 10. STABILITY AND REACTIVITY

|                                    |                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Reactivity                         | None expected under normal conditions.                                                     |
| Chemical stability                 | Stable under normal conditions.                                                            |
| Possibility of hazardous reactions | Reacts with strong oxidants.                                                               |
| Conditions to avoid                | Open flames, sparks or other possible ignition sources. Extremely high or low temperatures |
| Incompatible materials             | Strong Oxidants                                                                            |
| Hazardous decomposition products   | Thermal decomposition forms carbon monoxide and carbon dioxide                             |

## 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.

**11.1. Acute toxicity:** May cause respiratory irritation.

| Components         | Route of Exposure         | Species/Test System | Result/Effect                             |
|--------------------|---------------------------|---------------------|-------------------------------------------|
| Ethylol            | Oral<br>Inhalation (4hrs) | Rat                 | LD <sub>50</sub> : 7060 mg/kg             |
|                    |                           | Rat                 | LD <sub>50</sub> : 20000 mg/kg            |
| Di-butyl Phthalate | Oral                      | Rat                 | LD <sub>50</sub> : 8000 mg/kg             |
|                    | Dermal                    | Rabbit              | LD <sub>50</sub> : >20 ml/kg              |
|                    | Inhalation                | Rat                 | LC <sub>50</sub> : 4250 mg/m <sup>3</sup> |

## 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 small quantities leak into the ground.

### 12.1. Information on toxicological effects

Aquatic toxicity:

| Dibutyl phthalate (84-74-2)        |                                                                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LC <sub>50</sub> (Fish, 96 hr.)    | 0.6mg/litre (Cyprinodon variegatus), 0.7-1.2mg/litre (Pimephales promelas), 1.1-1.2mg/litre (Salmo gairdneri), 2.9mg/litre (Ictalurus punctatus), 0.7-1.0mg/litre (Lepomis macrochirus), etc. |
| LC <sub>50</sub> (Crustacea, 24hr) | 8mg/litre (Artemia salina), 17mg/litre (Daphnia magna), etc.                                                                                                                                  |
| EC <sub>50</sub> (Algae)           | 3.5 & 9mg/litre (Scenedesmus subspicatus), 0.75mg/litre (Selenastrum capricornutum)                                                                                                           |
| EC <sub>50</sub> (Bacteria)        | 10.9mg/litre (Photobacterium phosphoreum), 2.2mg/litre (Tetrahymena pyriformis)                                                                                                               |

## 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 1263

### 14.2. UN Proper Shipping Name

- ADR/AND, IMDG, IATA Paint - Flammable

### 14.3 Transport hazard class

- ADR, ADN, IMDG, IATA LABEL



- CLASS 3 Flammable liquids

### 14.4 Packing group

- ADR, ADN, IMDG, IATA III

### 14.5 Environmental hazards

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



## 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

H225 Highly flammable liquid and vapour  
H319 Causes eye irritation  
H304 May be fatal if swallowed and enter airways  
H315 Causes skin irritation  
H336 May cause drowsiness or dizziness  
H360 May damage fertility or the unborn child  
H411 Toxic to aquatic life with long lasting effects

### 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.

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