



ALCOLIN ARTIFICIAL GRASS ADHESIVE

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Alcolin Artificial Grass Adhesive
Chemical family Chloroprene based adhesive

1.2. Intended use of the product

Adhere artificial grass to various substrates.

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 This product is hazardous.

2.2. Label elements

GHS Labelling

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



GHS02



GHS07



GHS08



GHS09

2.3. Signal word

Danger

2.4. Hazard determining components of labelling:

Light aliphatic petroleum solvent, Toluene, Ethyl Acetate, n-Hexane, Acetone.

2.5. Hazard statements

| | |
|-------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H361d | Suspected of damaging the unborn child. |
| H335 | May cause respiratory irritation. |

H373 May cause damage to organs through prolonged or repeated exposure.
H336 May cause drowsiness or dizziness.
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 flames and other ignition sources. No smoking.
P280 Wear protective gloves / eye protection.
P271 Use only outdoors or in well-ventilated area.
P273 Avoid release to the environment.
P201 Obtain special instructions before use.
P308+P313 If exposed or concerned: get medical advice/attention.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

2.7. Other hazard

Contains synthetic rubber and phenolic resin which may cause an allergic skin reaction. Gross or prolonged exposure may cause depression of the central nervous system.

2.8. Unknown acute toxicity

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is not hazardous.

| Ingredient | CAS No. | Contents (%) | Classification of Substance |
|-----------------------------------|------------|--------------|--|
| Acetone | 67-64-1 | 2 - 8 | Flam liq.: Cat 2 Eye Irritation: Cat 2 STOT SE: Cat 3 |
| Light aliphatic petroleum solvent | 64742-89-8 | 30 - 36 | Asp. Tox. : Cat 1 Carc. : Cat 1B Muta. : Cat 1B |
| Toluene | 108-88-3 | 25 - 30 | Asp. Tox. : Cat 1 Flam liq.: Cat 2 Reprod. : Cat 2 STOT RE: Cat 2 Skin Irrit.: Cat 2 STOT SE: Cat 3 |
| Ethyl acetate | 141-78-6 | 7 - 15 | Flam liq.: Cat 2 Eye Irritation: Cat 2 STOT SE: Cat 3 |
| n-Hexane | 110-54-3 | 2 - 6 | Flam liq.: Cat 2 Eye Irritation: Cat 2 Reprod. : Cat 2 STOT SE: Cat 3 STOT RE: Cat 2 Asp Tox. : Cat 1 Aquatic Chronic: Cat 2 |
| Benzene | 71-43-2 | <0.1 | Asp. Tox. : Cat 1 Carc. : Cat 1A Muta. : Cat 1B STOT RE: Cat 1 Flam liq.: Cat 2 Eye Irritation: Cat 2 Skin Irrit.: 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 advice. |
| Inhalation | Take the person into the fresh air. Aspiration into lungs may lead to pneumonitis. 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. |
| Inhalation | May cause irritation to the respiratory system. Prolonged inhalation may cause headaches, drowsiness and fatigue. High concentrations of vapours are anaesthetic in nature causing central nervous system effects such as dizziness and confusion. |
| Skin contact | May cause skin irritation – Prolonged contact can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance. Repeated exposure may lead to dermatitis. |
| Eye contact | May cause eye irritation – can cause redness, tearing and blurred vision due to corneal clouding. |
| Ingestion | 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 or carbon dioxide. |
| Unsuitable ext. media | Do not use a water spray. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|--|
| Fire hazard | Highly 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 | Do not get in eyes or skin, or on clothing. |
|------------------|---|

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 away from heat, sparks, open flames and any other ignition sources. Keep container closed when not in use.

Incompatible materials Do not store with oxidizing agents.

Maximum storage period 12 months, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Exposure limits :

| Name | TWA - 8 hrs | STEL - 15 min |
|-----------------------------------|--------------------------------|---------------------------------|
| Acetone | 500ppm; 1210 mg/m ³ | 1500ppm; 3620 mg/m ³ |
| Light aliphatic petroleum solvent | 100ppm; 525 mg/m ³ | - |
| Toluene | 50ppm; 5 mg/m ³ | 10mg/m ³ |
| Ethyl acetate | 400ppm; 1400 mg/m ³ | - |

8.2. Exposure controls

Engineering controls Not required under normal conditions of use in a well-ventilated space.

Hand protection Use appropriate personal protection equipment (PPE).

Eye protection Safety glasses.

Skin and body protection Use protective latex or nitrile gloves to prevent contact.

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 Translucent yellow liquid.

Odour Aromatic

Density (g/cm³) Approximately 0.85.

Flash point (°C) <10

Boiling point (°C) 61

Solubility in water Insoluble

Solubility solvent Soluble in esters, ketones and methanol.

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 Open flames, sparks or other possible ignition sources.

Incompatible materials Oxidising material can cause a reaction.

Hazardous decomposition products Thermal decomposition may release carbon dioxide, carbon monoxide, smoke and fumes.

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. However, the ingredients indicate that it is dangerous to the environment. May cause long term adverse effects in the aquatic environment. Contamination of the terrestrial and aquatic environments should be avoided. Please refer to section 6 for information regarding accidental release.

13. DISPOSABLE CONSIDERATIONS

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|---------------------------------|--|
| 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 1133

14.2 UN Proper Shipping Name

- **ADR/AND, IMDG, IATA** Adhesive containing a flammable liquid

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 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

| | |
|-------|---|
| H304 | May be fatal if swallowed and enters airways, |
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| H361d | Suspected of damaging the unborn child, |
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H373 May cause damage to organs through prolonged or repeated exposure,
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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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