



ALCOLIN WATERPROOF GLUE

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Alcolin Waterproof Glue
Chemical family Polyurethane

1.2. Intended use of the product

A one component waterproof polyurethane based adhesive for wood

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

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:



GHS08



GHS07

2.3. Signal word Danger

2.4. Hazard determining components of labelling:

Methylenediphenyl diisocyanate; 4-isocyanatosulphonyltoluene Tosyl isocyanate

2.5. Hazard statements:

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation

H351 Suspected of causing cancer
H373 May cause damage to organs through prolonged or repeated exposure

2.6. Precautionary statements:

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves / eye protection.
P271 Use only outdoors or in a well- ventilated area
P284 In case of inadequate ventilation, wear respiratory protection
P273 Avoid release to the environment.
P308+P313 If exposed or concerned: get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: call a poison centre/doctor

2.7. Other Hazards

This product contains isocyanates which may sensitize the skin and respiratory tract. May produce an allergic reaction.

2.8. Unknown acute toxicity

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is hazardous.

Ingredient	CAS No.	Contents (%)	Classification of Substance
Methylenediphenyl diisocyanate	26447-40-5	< 50	Skin irrit.: Cat 2 Skin sens.: Cat 1 Eye irrit.: Cat 2 Resp sens.: Cat 1 Carc.: Cat 2 STOT RE: Cat 2 STOT SE: Cat 3 Acute tox.: Cat 4
4-isocyanatosulphonyltoluene; Tosyl isocyanate	4083-64-1	< 0.25	Eye irrit.: Cat 2 Skin irrit.: Cat 2 Resp sens.: Cat 1 STOT SE: 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 Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
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 Mist may cause respiratory tract irritation.
Skin contact May cause skin irritation.
Eye contact May cause eye irritation.
Ingestion May cause digestive tract irritation.

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 spray, alcohol resistant foam, carbon dioxide, dry powder
Unsuitable ext. media	Not applicable

5.2. Special hazards arising from the substance or mixture

Fire hazard	May be combustible at high temperatures.
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, away from heat and direct sunlight. Keep container closed when not in use to avoid moisture absorption.
Incompatible materials	Amines
Maximum storage period	9 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
Hand protection	Chemical resistant gloves

Eye protection	Safety goggles
Skin and body protection	Use suitable protective clothing
Respiratory protection	Provide respiratory protection if insufficiently ventilated area
Other information	When using, do not eat or drink

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellowish liquid
Odour	Very faint aromatic odour
Density (g/cm ³)	Approximately 1.15
Flash point (°C)	> 200
Decomposition temperature (°C)	> 480
Solubility water	Insoluble; reacts with water

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. Container can be pressurized with carbon dioxide due to reaction with humid air and/or water
Incompatible materials	Alcohols and amines
Hazardous decomposition products	Thermal decomposition may release carbon dioxide, carbon monoxide, nitrogen oxides, isocyanate vapour and traces of cyanic acid.

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 be harmful if swallowed and enters airways. May cause respiratory irritation.

Components	Route of Exposure	Species/Test System	Result/Effect
Methylenediphenyl diisocyanate	Oral	Rat	LD ₅₀ : >10000 mg/kg
	Dermal	Rabbit	LD ₅₀ : >10000 mg/kg
	Inhalation	Rat	LC ₅₀ : 490 mg/m ³
4-isocyanatosulphonyltoluene; Tosyl isocyanate	Oral	Rat	LD ₅₀ : 2234 mg/kg
	Inhalation	Rat	LC ₅₀ : > 640 ppm

11.2. Other information

Fully cured polyurethane (at least 24 hours) is not toxic or irritating.

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

