



# ALCOLIN LIQUID FILLER

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### 1.1. Product identifier

Product name Alcolin Liquid Filler  
Chemical family Cyanoacrylate ester

#### 1.2. Intended use of the product

Multipurpose, fast setting cyanoacrylate adhesive

#### 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](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 pictogram:



GHS07

2.3. Signal word Warning

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

Ethyl Cyanoacrylate

#### 2.5. Hazard statements:

H227 Combustible liquid  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

## 2.6. Precautionary statements:

P102	Keep out of reach of children.
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 Hazards

No additional information available

## 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
Ethyl Cyanoacrylate	7085-85-0	90 - 100	Flam liq.: Cat 4 Skin Irritation: Cat 2 Eye Irritation: Cat 2 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	Remove victim to fresh air. Prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.
Skin contact	Do not pull bonded skin apart. Wash skin with mild soap and water. Gently peel apart using a dull instrument. If skin is burnt due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.
Eye contact	Immediately flush with plenty of water for 15 minutes. Obtain medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1 – 3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.
Ingestion	Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.

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

General	May cause irritation in the uncured state.
Inhalation	None expected under normal conditions of use.
Skin contact	May cause skin irritation. Bonds skin in seconds.
Eye contact	May cause eye irritation.
Ingestion	Not expected to be harmful.

### 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 spray, dry chemical powder, foam, carbon dioxide
Unsuitable ext. media	Not applicable

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

Fire hazard	Combustible
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.

### 6.2. For non-emergency personnel

Protective equipment Use appropriate personal protection equipment (PPE)  
Emergency procedures None required given the small quantity that the product is packaged in.

### 6.3. For emergency personnel

Protective equipment Use appropriate personal protection equipment (PPE)  
Emergency procedures None required given the small quantity that the product is packaged in.

### 6.4. Environmental precautions

Prevent entry to sewers and 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 (below 21°C) and well-ventilated place. Keep container closed when not in use.  
Incompatible materials Polymerized by water, alcohols, amines, alkali materials and direct UV  
Maximum storage period 6 months, but may vary depending on storage conditions.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

Exposure limits:

Name	ACGIH TWA	OES STEL (1.5mg/m <sup>3</sup> )
Ethyl Cyanoacrylate	0.2ppm	0.3ppm

### 8.2. Exposure controls

Engineering controls Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above  
Eye protection Safety glasses  
Skin and body protection Use Nitrile gloves and aprons to prevent contact. Do not use PVC, nylon or cotton materials.  
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	Clear, colourless liquid
Odour	Sharp, irritating – odourless when cured
Density (g/cm <sup>3</sup> @ 20°C)	Approximately 1.05
Vapour density	Approximately 3
Boiling point (°C)	65
Flash point (°C)	> 80
Solubility water	Polymerizes in the presence of water
VOC content	< 2%; 20g/l (California SCAQMD Method 316B) (estimated)

## 10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures.
Incompatible materials	Water, alcohol, amines, alkaline materials and peroxides.
Hazardous decomposition products	None

## 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 estimate (ATE):

Acute oral LD50 > 5000 mg/kg (rat)

Acute dermal LD50 > 2000 mg/kg (rabbit)

### 11.2. Other health effects:

Allergen, irritant, respiratory

## 12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. However, the ingredients indicate that it is dangerous to the environment. Please refer to section 6 for information regarding accidental release.

## 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

### US DOT – Ground (49 CFR)

Proper Shipping name	Combustible liquid, NOS (cyanoacrylate ester)
Hazard Class or Division	Combustible liquid
Identification Number	NA 1993
Packing Group	III
Exceptions	Unrestricted (not more than 450 litres)

### International Air Transportation – (ICAO/IATA)

Proper Shipping name	Aviation regulated liquid, NOS (cyanoacrylate ester)
Hazard Class or Division	9
Identification Number	UN3334
Packing Group	III
Exceptions	Unrestricted (not more than 500ml)

