

Material Safety Data Sheet

Date prepared: 21/11/2002

Date revised: No 4

AQUALLUSION EPOXY HARDENER



ABL (STEVENS) Resin & Glass
Unit 4, Millbuck Way,
Springvale Industrial Estate,
Sandbach, Cheshire, CW11 3HT
Tel/Fax: 01270 766685

1. Identification of the product and the company.

Substance or preparation trade name: AQUALLUSION EPOXY HARDENER

Unique reference numbers(s):

Company/undertaking name & address: As above

Telephone: 01270 766685

Emergency telephone number:

2. Information on ingredients

Substance Name	Value	CAS No	Symbol R-Phrases
Polyoxyalkyleneamine 21/22-34-37	ca 95%		C

3. Hazards Identification

Risk phrases:	Corrosive to eyes, respiratory system and skin.
Environmental hazard:	
Primary route of exposure:	Vapours inhalation, skin and eye contact.
Symptoms relating to use:	
• Inhalation	Sore throat, cough, severe inhalation hazard.
• Skin contact	redness, pain, causes burns.
• Eye contact	Redness, pain, blurred vision, risk of serious damage to eyes.
• Ingestion	severe ingestion hazard, sore throat, burning sensation, abdominal pain.

4. First aid measures

Inhalation: Assure fresh air breathing. Allow victim to rest, seek medical advice.

Skin contact: Remove contaminated clothing and shoes, flush with plenty of water, seek medical advice.

Eye contact: Rinse immediately with plenty of water. Contact ophthalmologist immediately.

Ingestion: Rinse mouth. Do not induce vomiting because of corrosive effects, obtain emergency medical attention.

General information: In all cases seek medical attention.

5. Fire fighting measures

Flammable class: Not combustible.
Suitable extinguishing media: water fog, powder, alcohol resistant foam.

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Surrounding fires:	Use water spray or fog for cooling exposed containers.
Protection against fire: equipment	Do not enter fire area without proper protection. Respiratory protection may be necessary.
Special procedures:	Exercise caution when fighting any chemical fire.

6. Accidental release measures

Personal precautions:	Spill should be handled by trained personnel properly equipped with respiratory and eye protection.
Environmental precautions:	Notify authorities if liquid enters sewers or public waters. Prevent entry to sewers and public waters.
Methods for cleaning:	Clean up any spills as soon as possible, using an absorbent material to collect it, use suitable disposable containers

7. Handling and storage

Precautions in handling and storage:	avoid all unnecessary exposure.
Storage:	provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Where exposure through inhalation may occur from use, approved respiratory equipment is recommended. Keep container closed when not in use. Do not store in corrodible metal.
Storage away from:	Acids
Handling:	Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from skin eyes and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8. Exposure Controls / Personal protection

Personal protection:	
Respiratory protection:	Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
Hand protection:	Wear suitable chemical resistant gloves
Skin protection:	Suitable protective clothing.
Eye protection:	Chemical goggles or Safety glasses
Ingestion:	When using, do not eat drink or smoke.
Industrial hygiene:	Local exhaust and general ventilation must be adequate to meet exposure standards. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

9. Physical and chemical properties

Appearance:	Liquid
Colour:	Colourless
Odour:	Amonia
pH value:	11.6
Viscosity:	72 mPa.s
Solubility in water:	Material partially soluble in water.
Flash point (°C):	>196

10. Stability and reactivity

Hazardous decomposition products:	Carbon dioxide, carbon monoxide, nitrogen oxides.
Hazardous reactions:	Acids

11. Toxicological information

Rat oral LD50 (mg/kg)	220
Rabbit dermal LD50 (mg/kg)	562
Rat inhalation (mg/kg)	No data
Rat inhalation LC50 (mg/l/4h)	No data

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12. Ecological information

Ecological effects information:	No data
LC50-96 Hour-fish (mg/l)	120
48 hour-EC50-Daphnia magna (mg/l)	No data

13 Disposal Considerations

Disposal:	Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.
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14. Transport information

Hazard labels:	Corrosive, Toxic
Shipping name:	UN2922 LIQUIDE CORROSIF, TOXIQUE, N.S.A. 8 (6.1). 111
UN No:	2922
HI No:	86
ADR/RID	Group 111 Class 8

15. Regulatory information

Symbols:	Corrosive Dangerous to the environment.
R Phrases:	R21/22 harmful in contact with skin and if swallowed. R34- causes burns. R37- Irritating to respiratory system. R43 May cause sensitization by skin contact.
S Phrases:	S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately show label when possible.

16. Other Information

Recommendations/restrictions:	None
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