

# Material Safety Data Sheet

Date prepared: 01/07/2003

Date revised: No 3

## G-FIX EPOXY RESIN



ABL (STEVENS) Resin & Glass  
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### 1. Identification of the product and the company.

Substance or preparation trade name: G-FIX EPOXY RESIN

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
Epoxy resin	<70%	25068-38-6		R36/38-43-51/53
Bisphenol F. epichlorohydrin resin	<30%	28064-14-4		R36/38-43-51/53
Aliphatic glycidylether	<15%	68081-84-5	Xi,N	R36/38-43-51/53

### 3. Hazards Identification

Risk phrases: Irritating to eyes and skin. May cause sensitization by skin contact  
Environmental hazard: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
Other hazards: Not classified as flammable but will burn.

### 4. First aid measures

Inhalation: No specific measures.  
Skin contact: DO NOT DELAY Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.  
Eye contact: DO NOT DELAY Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.  
Ingestion: DO NOT induce vomiting. If conscious, give 1 pint water to drink immediately. If unconscious and breathing is OK, place in recovery position. Transfer to hospital as soon as possible.

### 5. Fire fighting measures

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Suitable extinguishing media:	Foam. Water spray or fog, Unsuitable extinguishing media is water jet. Use water spray to cool containers.
Surrounding fires:	Use water spray or fog for cooling exposed containers.
Protection against fire:	Do not enter fire area without proper protection. Respiratory protection equipment may be necessary.
Special procedures:	Exercise caution when fighting any chemical fire Avoid (reject) fire fighting water to enter environment.
Exposure hazards:	Not classified as flammable but will burn. Carbon monoxide may evolve if incomplete combustion occurs.

## 6. Accidental release measures

Personal precautions:	Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary
Environmental precautions:	contain spillage using bunding. Do not discharge into drains or rivers. Do not contaminate surface water – avoid subsoil penetration. If material enters drains it should be pumped out into an open vessel, emergency services should be called to assist in this operation.
Methods for cleaning:	Absorb into dry earth or sand, transfer to a closable, labeled container for disposal by appropriate method. Scrub contaminated waste. Put leaking containers in a labeled drum or overdrum. Refer to section 13 of SDS for suitable method of disposal.

## 7. Handling and storage

Precautions in handling and storage:	Both local exhaust and general room ventilation are usually required.
Storage:	Store in dry well ventilated areas.
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. Pallatised loads should be stacked to maximum of 4 high.

## 8. Exposure Controls / Personal protection

Personal protection:	
Respiratory protection:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Skin protection:	Protective gloves, Nitrile or Butyl.
Eye protection:	Safety glasses and suitable eyewash bottle with clean water.
Ingestion:	When using, do not eat drink or smoke.

## 9. Physical and chemical properties

Appearance:	Liquid
Colour:	Pale yellow
Odour:	Perceptible odour
Oxidising:	Non oxidising
Solubility in water:	11.6 mg/l @ 20°C
Boiling point:	150°C
Viscosity:	0.7 – 1.1 Pa.s: 25°C ASTM D-445
Autoflammability:	ca 400°C
Flash point (°C):	>150
Vapour pressure:	<0.1 mbar @ 20°C
Relative density:	1.12kg/m <sup>3</sup> @ 20°C

## 10. Stability and reactivity

Stability:	stable under normal conditions.
Conditions to avoid:	Caustic soda can induce vigorous polymerization at temperatures around 200°C
Materials to avoid:	Strong oxidizing agents.
Haz decomp products:	Hazardous decomposition products are not expected to form during normal storage.
Polymerises	exothermically with amines, mercaptans and Lewis acids at ambient temperature

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and above polymerises in contact with caustic soda. Reacts exothermically with bases, ammonia, primary and secondary amines, alcohols and acids.

## 11. Toxicological information

Routes of exposure: Eye skin irritation expected to be slightly irritant and skin sensitizer, Not expected to be mutagenic hazard.

## 12. Ecological information

Mobility: Sinks in water  
Persistence and degradability: Not Biodegradable  
Bioaccumulative potential: Bioaccumulation potential  
Other adverse effects: Harmful to aquatic organisms.

## 13 Disposal Considerations

Disposal: Avoid release to the environment.  
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.

## 14. Transport information

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
UN No: 3082  
HI No: 90  
ADR/RID Group 111  
Class 9  
IMDG/IMO  
UN No: 3082  
Packing group: 111  
Marine pollutant: Yes  
Labelling: 9  
IATA/ICAO  
UN No: 3082  
Class: 9  
Packing group: 111  
Packing precautions: 914  
Quantity: no limit  
Labelling: 9

## 15. Regulatory information

Symbols: Irritant  
Dangerous to the environment.  
R Phrases: R36/38- Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.  
R51/53- Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
S Phrases: S24- Avoid contact with skin  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37- Wear suitable gloves.  
S59- Refer to manufacturer supplier for information on recovery/recycling.

## 16. Other Information

Recommendations/restrictions: None  
The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC.

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