

MATERIAL SAFETY DATA SHEET

GROUT LV - PACK A

1. Identification of the substance/preparation and company.

Product Name : Epoxy Products Grout LV
Product Type : Epoxy Resin
Application : Epoxy Resin Grout for concrete crack filling.
Supplier: Emergency Telephone Number: (01202) 891899
Epoxy Products Limited, 7 Haviland Rd, Ferndown Industrial Estate, Wimborne, Dorset BH21 7RZ

2. Hazards Identification

Physical Hazard : None-classifiable
Health Hazard : Irritant (Xi)
Irritating to eyes and skin. (R36/38)
May cause sensitisation by skin contact. (R43)

3. Composition/Information on Ingredients

Modified Liquid Bisphenol A/F-Epichlorohydrin Epoxide Resin.

<u>CAS/Registry No.</u>	<u>Material Description</u>	<u>% Content</u>
25068-38-6	*4,4'-ISOPROPYLINDENEDIPHENOL-EPICHLOROHYDRIN COPOLYMER Physical Hazard: Non-classifiable Health Hazard: Irritant (Xi) Irritating to eyes. (R36) Irritating to skin. (R38) May cause sensitisation by skin contact. (R43) OEL: None Established	35-50
55492-52-9	*BISPHENOL F-EPICHLOROHYDRIN COPOLYMER Physical Hazard: Non-classifiable Health Hazard: Irritant (Xi) Irritating to eyes. (R36) Irritating to skin. (R38) May cause sensitisation by skin contact. (R43) OEL: None Established	35-50

4. First-aid Measures

Ingestion : If accidentally swallowed, give large quantities of water or milk or dilute the effects on the stomach. Do not induce vomiting. Seek medical advice.
Inhalation : If inhalation causes adverse effects, remove to fresh air. If problem persists, seek medical advice.
Skin Contact : In case of contact, immediately flush with plenty of water, remove contaminated clothing. Seek medical attention.
Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to ensure water contact with entire surface of eyes and lids. Seek immediately medical attention.

5. Fire-fighting Measures

Non-flammable at room temperature, but will burn. In case of fire, use water spray, dry chemical, foam or carbon dioxide extinguishers. Use water to keep fire-exposed containers cool. For large fires, fire-fighters should wear full emergency protective equipment including self-contained breathing apparatus.

6. Accidental Release Measures

Always wear appropriate protective clothing (refer to Section 8.2).

Large Quantities : Contain and absorb with sand or sawdust and prevent from entering drains or watercourses should this occur, the relevant Local Authority must be notified.
Small Quantities : Soak up with absorbent material and remove to a chemical disposal area.

7. Handling and Storage

7.1. Handling

Handle in accordance with good industrial hygiene and safety practices. Refer to Section 8 for appropriate personal protection equipment. Wash thoroughly after handling.

Inhalation : Avoid prolonged or repeated breathing of vapour.
Skin Contact : Avoid contact with skin or clothing.
Eyes : Avoid contact with eyes.

7.2. Storage

Keep in tightly sealed containers and store in a cool dry place avoiding exposure to heat, light, moisture and air.

8. Exposure Controls/Personal Protection

Where air contaminants can exceed acceptable criteria, use approved respiratory protection equipment. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

9. Physical and Chemical Properties

Appearance : Low viscosity liquid, slightly sweet odour
Boiling Point : >150° C
Flammability : Combustible
Auto-ignition Temperature : >200° C
Relative Density : 1.04g/cm³ at 25° C
Water Solubility : Not miscible

10. Stability and Reactivity

Normally considered stable and inert.

Hazardous polymerisation:

Materials to avoid:

Conditions to avoid:

Thermal decomposition products may include:

Will not occur.

Mineral acids, bases, amines and mercaptans.

None known to Epoxy Products Ltd.

Oxides of carbon.

11. Toxicological Information

11.1 Immediate Hazards

Ingestion :	May be harmful if accidentally swallowed.
Inhalation :	Not expected to be harmful under normal conditions of use.
Skin :	Irritating to skin.
Eyes :	Irritating to eyes.

11.2. Delayed Hazards

25068-38-6

*4,4'-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN COPOLYMER

May cause sensitisation by skin contact.

55492-52-9

*BISPHENOL F-EPICHLOROHYDRIN COPOLYMER

May cause sensitisation by skin contact.

12. Ecological Information

Mobility:

Not determined.

Degradability:

Not determined.

Bio-accumulative potential:

Not determined.

Aquatic toxicity:

Toxicity to bacteria, algae and higher marine organisms not tested. COD: Not determined.

13. Disposal Considerations

DO NOT reuse containers containing residual product without thorough cleaning. All waste should be disposed of using a Registered Waste Carrier operating under the Environmental Protection Act (Duty of Care) Regulations 1992. (S.I. No 2839).

14. Transport Information

UK Supply Classification

(Xi) Irritant

15. Regulatory Information



DANGEROUS FOR THE ENVIRONMENT



HARMFUL /IRRITANT

EC Label name	:	Contains Epoxy Resin (number average molecular weight <700)
EC Classification	:	Harmful/Irritant. Dangerous for the environment.
EC Symbols	:	Xi, N
EC Risk phrases	:	R36/38 Irritating to eyes and skin R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Safety phrases	:	S24 Avoid contact with skin. 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 soap and water. S37/39 Wear suitable gloves and eye/face protection. S61 Avoid release to the environment.

16. Other Information

Date Issued	:	01.02.2008
Reference	:	SDS/ GLV/A/03
Other information	:	Technical Services Department

The information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

MATERIAL SAFETY DATA SHEET

GROUT LV - PACK B

1. Identification of the substance/preparation and company.

Product Name : Epoxy Products Grout LV (Hardener - Pack B)
Product Type : Epoxy Resin Curing Agent
Application : Epoxy Resin Grout for Crack Filling.
Supplier: Emergency Telephone Number: (01202) 891899
Epoxy Products Limited, 7 Ferndown Industrial Estate, Wimborne, Dorset. BH21 7RZ.

2. Hazards Identification

Hazard designation: C Corrosive

Harmful by Inhalation and if swallowed (R20/22). May cause sensitisation by skin contact (R43) Causes burns (R34).

3. Composition/Information on Ingredients

CAS Number and Chemical Name	%	Classification
2855-13-2 3-Aminomethy 1-3, 5, 5-Trimethylcylohexylamine	50-100	C R21/22, R34, R43
100-51-6 Benzyl Alcohol	25-50	Xn; R20/22
69-72-7 Salicylic Acid	2.5-10	Xn;R22

Description : Hardener for Epoxy Resins

4. First-aid Measures

Ingestion : If swallowed seek medical advice immediately. Do not induce vomiting. A person vomiting while lying on their back should be turned onto their side.
Inhalation : Seek medical treatment in case of complaints.
Skin Contact : Remove product and immediately flush affected area with water and soap and rinse thoroughly.
Eye Contact : Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice immediately.

5. Fire-fighting Measures

Suitable Extinguishing Media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment: Put on breathing apparatus.

6. Accidental Release Measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Prevent liquid entering sewers, basements and work pits.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

7. Handling and Storage

Handling : Ensure good ventilation/exhaustion at the workplace.

Storage : Requirement to be met by storerooms and containers:

No special measures required. Keep container tightly sealed.

8. Exposure Controls/Personal Protection

Personal Protection: General protective and hygienic measures. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

a) Respiratory Protection: not required.

b) Hand Protection: Nitrile rubber gloves or any impermeable gloves must be worn.

c) Eye Protection: Tightly sealed safety glasses.

d) Skin Protection: Protective long sleeved overalls must be worn.

9. Physical and Chemical Properties

Appearance	:	Fluid
Odour	:	Amine-like
Boiling Point	:	>200C
Flash Point	:	>100C
Self-inflammability	:	Product is not selfigniting.
Danger of explosion	:	Product is not explosive.
Vapour Pressure	:	20C > 1 mbar
Relative Density	:	20C 1,01 g/cm ³
Water Solubility	:	Partly miscible
Dynamic	:	at 25C 50 mPas

10. Stability and Reactivity

Thermal decomposition / condition to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous products of decomposition: No dangerous decomposition products known.

11. Toxicological Information

Acute toxicity:

LD/LC50 values that are relevant for classification: Benzyl Alcohol oral 1300 mg/kg, Species rat

Benzyl Alcohol dermal 2000 mg/kg Species rat

Primary irritant effect:

On the skin : Caustic effect on skin and mucous membranes.

On the eye : Strong caustic effect.

Sensitisation : Sensitisation possible by skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. Ecological Information

Waste from this product may present long term environmental hazards, thus landfill must be considered less acceptable than incineration.

13. Disposal Considerations

Dispose of in accordance with local and national regulations. UK regulations made under the Control of Pollution Act 1974 and the Environmental Protection Act 1990. Wear protective clothing during disposal operations. If disposal is by a waste contractor, make sure that he has sufficient information and that waste containers are properly labelled.

14. Transport Information

ADR/RID SHIPPING DATA: Class 8 Corrosive Material

IMO SHIPPING DATA : Class 8 Corrosive Material

UN-Number : 1760

Packaging Group : 111

15. Regulatory Information



EEC SYMBOL: C Corrosive

EEC Council Directive relating to the classification, packaging and labelling of dangerous substances and preparations Risk ® and Safety (S) phrases

Risk phrases:

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

43 May cause sensitisation by skin contact.

Safety phrases:

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other Information

This Safety Data Sheet has been written to comply with Directives 91/155/EEC (the "Safety Data Sheet Directive") and 88/379/EEC (the "General Preparations Directive").

Date Issued : 01.02.2008

Reference : SD/GHV/B/03

Intended Use : Epoxy Resin Curing Agent

Product Code : Epoxy Products Grout LV (Pack B - Hardener)

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