

# MATERIAL SAFETY DATA SHEET

## EPOXY GROUT LV - PACK A

### **1. Identification of the substance/preparation and company.**

Product Name : Epoxy Grout LV  
Product Type : Epoxy Resin  
Application : Concrete crack filling and impregnation.  
Supplier : Emergency Telephone Number: (01202) 891 899  
Epoxy Products Limited, Unit 7, Haviland Road, 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.

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/cm<sup>3</sup> at 25°C  
Water Solubility : Not miscible

## 10. Stability and Reactivity

Normally considered stable and inert.

Hazardous polymerisation: Will not occur.  
Materials to avoid: Mineral acids, bases, amines and mercaptans.  
Thermal decomposition products may include: 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

### ADR / RID

UN Number 3082  
Class 9  
Classification Code M6  
Packaging Group 111  
Labelling Number 9  
Risk Number 90  
Description of the goods contains ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. EPOXY RESIN

### ICAO / IATA-DGR

UN Number 3082  
Class 9  
Packaging Group 111  
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. EPOXY RESIN

### IMDG

UN Number 3082  
Class 9  
Packaging Group 111  
Labelling Number 9  
Description of the goods contains ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. EPOXY RESIN

## 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 : 24.01.2015  
Reference : SDS/ EGLV/A/05  
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

## EPOXY GROUT LV - PACK B

### 1. Identification of the substance/preparation and company.

Product Name : Epoxy Grout LV (Hardener - Pack B)  
Product Type : Epoxy Resin Curing Agent  
Application : Crack filling.  
Supplier : Emergency Telephone Number: (01202) 891 899  
Epoxy Products Limited, Unit 7, Haviland Road, 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	50-75	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
<u>Description</u>	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: CO<sub>2</sub>, 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).  
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.

- Respiratory Protection: not required.
- Hand Protection: Nitrile rubber gloves or any impermeable gloves must be worn.
- Eye Protection: Tightly sealed safety glasses.
- 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.  
Relative Density : 20C 1,01 g/cm<sup>3</sup>  
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.

## **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**

### **Land Transport ADR / RID**

UN Number	2289
Class	8 (C7) Corrosive substances
Packaging Group	111
Labelling Number	8
Risk Number	80
Designation of goods	ISOPHORONEDIAMINE, mixture

### **Air Transport ICAO-TI / IATA-DGR**

UN Number	2089
ICAO/IATA Class	8
Packaging Group	111
Label	8
Correct Technical Name	ISOPHORONEDIAMINE, mixture

### **Maritime Transport IMDG / GGVSea**

UN Number	2089
IMDG- CODE	8
EmS Number	F-A/ S-B
Packaging Group	111
Marine Pollutant	No
Description of the goods contains	ISOPHORONEDIAMINE, mixture

## **15. Regulatory Information**



EEC SYMBOL: C Corrosive

### **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	: 24.01.2015
Reference	: SD/EGLV/B/05
Intended Use	: Epoxy Resin Curing Agent
Product Code	: Epoxy Grout LV (Pack B - Hardener)
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.