



## SAFETY DATA SHEET BAL FLOOR EPOXY RESIN

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### **1.1. Product identifier**

Product name BAL FLOOR EPOXY RESIN

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses As part of an epoxy resin based adhesive or grout.

#### **1.3. Details of the supplier of the safety data sheet**

Supplier Building Adhesives Ltd  
Longton Road,  
Trentham,  
Stoke on Trent  
ST4 8JB  
01782 591100  
Contact Person sdsreply@building-adhesives.com

#### **1.4. Emergency telephone number**

01782 591100 (7am-8pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### **2.1. Classification of the substance or mixture**

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317
Environment	Aquatic Chronic 2 - H411

Classification (1999/45/EEC)

Xi; R36/38. R43. N; R51/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Irritating to eyes and skin. May cause sensitisation by skin contact.

Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### **2.2. Label elements**

Contains ALIPHATIC GLYCIDYLETHER  
BISPHENOL F EPICHLOROHYDRIN RESIN  
EPOXY RESIN (Number average MW <= 700 )

Label In Accordance With (EC) No. 1272/2008



Signal Word

Warning

Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

## BAL FLOOR EPOXY RESIN

### Precautionary Statements

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local regulations.

### Supplementary Precautionary Statements

P273	Avoid release to the environment.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P302+352	IF ON SKIN: Wash with plenty of soap and water.

### Supplemental label information

EUH205	Contains epoxy constituents. May produce an allergic reaction.
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### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

ALIPHATIC GLYCIDYLETHER		10-30%
CAS-No.: 68081-84-5	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/38. N;R51/53. R43.	
BISPHENOL F EPICHLOROHYDRIN RESIN		10-30%
CAS-No.: 28064-14-4	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/38. N;R51/53. R43.	
EPOXY RESIN (Number average MW <= 700 )		30-60%
CAS-No.: 25068-38-6	EC No.: 500-033-5	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R43 Xi;R36/38 N;R51/53	
ISONONYLPHENOL ETHOXYLATE		1-5%
CAS-No.: 37205-87-1	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. Xi;R41. R53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

**4.3. Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

If possible, fight fire from protected position.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not allow ANY environmental contamination.

**6.3. Methods and material for containment and cleaning up**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

**6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

# BAL FLOOR EPOXY RESIN

Storage Class

Chemical storage.

## **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

Ingredient Comments

WEL = Workplace Exposure Limits

### **8.2. Exposure controls**

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

Use protective gloves.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

Appearance

Liquid

### **9.2. Other information**

No information required.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not known.

### **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time. Avoid contact with acids.

### **10.5. Incompatible materials**

# BAL FLOOR EPOXY RESIN

## Materials To Avoid

Amines, mercaptans, Lewis Acids, caustic soda, bases, ammonia, alcohols and acids.

## 10.6. Hazardous decomposition products

None under normal conditions. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Inhalation

Irritating to respiratory system.

#### Ingestion

May cause stomach pain or vomiting.

#### Skin contact

May cause sensitisation by skin contact. Irritating to skin.

#### Eye contact

Irritating to eyes.

#### Health Warnings

May cause irritation to the respiratory system. May cause sensitisation by skin contact. Preparation contains an epoxy resin, which may cause sensitisation and development of allergy.

#### Route of entry

Inhalation. Skin absorption. Skin and/or eye contact.

## SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

Not expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

May accumulate in soil and water systems.

### 12.4. Mobility in soil

#### Mobility:

The product has poor water-solubility.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN)

3082

## BAL FLOOR EPOXY RESIN

UN No. (IMDG)	3082
UN No. (ICAO)	3082

### **14.2. UN proper shipping name**

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), BISPHENOL F EPICHLOROHYDRIN RESIN)
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### **14.3. Transport hazard class(es)**

ADR/RID/ADN Class	9
ADR/RID/ADN Class	Class 9: Miscellaneous dangerous substances and articles.
ADR Label No.	9
IMDG Class	9
ICAO Class/Division	9
Transport Labels	



### **14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant



### **14.6. Special precautions for user**

EMS	F-A, S-F
Emergency Action Code	3Z
Hazard No. (ADR)	90

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

## SECTION 15: REGULATORY INFORMATION

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

### **15.2. Chemical Safety Assessment**

## BAL FLOOR EPOXY RESIN

### SECTION 16: OTHER INFORMATION

Issued By	Technical Manager
Revision Date	22.05.15
Risk Phrases In Full	
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

#### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.