



## SAFETY DATA SHEET

### BAL ABSOLUTE GROUT RESIN

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** BAL ABSOLUTE GROUT 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

**Emergency telephone** UK and ROI:- 01865 407 333 (available 24/7/365)

#### SECTION 2: Hazards identification

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

**Classification (SI 2019 No. 720)**

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 2 - H411

**Human health** Irritating to eyes and skin. May cause sensitisation by skin contact.

**Environmental** 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

**Hazard pictograms**



**Signal word** Warning

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

## BAL ABSOLUTE GROUT RESIN

<b>Precautionary statements</b>	P102 Keep out of reach of children. P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 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 national regulations.
<b>Supplemental label information</b>	EUH205 Contains epoxy constituents. May produce an allergic reaction.
<b>Contains</b>	bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE, OXIRANE, MONO [(C12-14-ALKYLOXY)METHYL] DERIVS, BISPHENOL F EPICHLOROHYDRIN RESIN

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE</b> CAS number: 1675-54-3      EC number: 216-823-5	<b>60-100%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
<b>OXIRANE, MONO [(C12-14-ALKYLOXY)METHYL] DERIVS</b> CAS number: 68609-97-2	<b>5-10%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317	
<b>BISPHENOL F EPICHLOROHYDRIN RESIN</b> CAS number: 28064-14-4	<b>5-10%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

## BAL ABSOLUTE GROUT RESIN

**Skin contact** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact** Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. 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** Not relevant.

**Inhalation** This product is strongly irritating.

**Ingestion** Not applicable.

**Skin contact** The product contains a sensitising substance.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Phenolic.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Fight fire from safe distance or protected location.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination.

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

**Methods for cleaning up** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Clean contaminated objects and areas thoroughly, observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** No information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

## BAL ABSOLUTE GROUT RESIN

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

**Ingredient comments** WEL = Workplace Exposure Limits

#### bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE (CAS: 1675-54-3)

**DNEL** Workers - Dermal; : 8.33 mg/kg/day  
Workers - Inhalation; : 12.25 mg/m<sup>3</sup>

#### BISPHENOL F EPICHLOROHYDRIN RESIN (CAS: 28064-14-4)

**DNEL** Workers - Dermal; Short term : 29.39 mg/m<sup>3</sup>  
Workers - Dermal; Short term : 104.15 mg/kg/day

**PNEC** Fresh water; 0.003 mg/l  
marine water; 0.0003 mg/l

#### OXIRANE, MONO [(C12-14- ALKYOXY)METHYL] DERIVS (CAS: 68609-97-2)

**DNEL** Workers - Dermal; Short term : 3.9 mg/kg/day  
Workers - Inhalation; Short term : 13.8 mg/m<sup>3</sup>

**PNEC** Fresh water; 0.0072 mg/l  
marine water; 0.00072 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Viton rubber (fluoro rubber). Polyvinyl chloride (PVC). Protective gloves should have a minimum thickness of 0.5 mm.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated.

#### Respiratory protection

Wear a suitable dust mask. Combination filter, type A2/P2.

## BAL ABSOLUTE GROUT RESIN

### SECTION 9: Physical and chemical properties

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

Appearance	Liquid.
Colour	White. Beige.
Odour	Characteristic.
pH	Not applicable.
Flash point	> 100°C Closed cup.
Solubility(ies)	Insoluble in water.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with acids.
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#### 10.5. Incompatible materials

Materials to avoid	Amines, mercaptans, Lewis Acids, caustic soda, bases, ammonia, alcohols and acids.
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#### 10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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### 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.
Acute and chronic health hazards	May cause respiratory system irritation. May cause sensitisation by skin contact. The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals.
Route of exposure	Inhalation Skin absorption Skin and/or eye contact

#### Toxicological information on ingredients.

#### bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE

##### Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> mg/kg)	15,000.0
Species	Rat
ATE oral (mg/kg)	15,000.0

**BAL ABSOLUTE GROUT RESIN****Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 23,000.0

**Species** Rabbit

**OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 26,800.0

**Species** Rat

**ATE oral (mg/kg)** 26,800.0

**BISPHENOL F EPICHLOROHYDRIN RESIN**

**Inhalation** No significant hazard at normal ambient temperatures. Heating may generate the following products: Harmful gases or vapours.

**Ingestion** Harmful if swallowed.

**Skin contact** Slightly irritating. May cause sensitisation by skin contact.

**Eye contact** Irritating to eyes.

**SECTION 12: Ecological information**

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

**12.1. Toxicity****Ecological information on ingredients.****bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE****Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 2 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: 1.8 mg/l, Daphnia magna

**OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS****Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 1800 mg/l, Lepomis macrochirus (Bluegill)  
LC<sub>50</sub>, 96 hours: >5000 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 7.2 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 844 mg/l, Selenastrum capricornutum

**BISPHENOL F EPICHLOROHYDRIN RESIN**

**Toxicity** Toxic to aquatic life.

**Acute aquatic toxicity**

**BAL ABSOLUTE GROUT RESIN**

<b>Acute toxicity - fish</b>	EC <sub>50</sub> , 96 hour: 2.54 mg/l, Leuciscus idus (Golden orfe)
<b>Acute toxicity - aquatic invertebrates</b>	LC <sub>50</sub> , 48 hour: 2.55 mg/l, Daphnia magna

**12.2. Persistence and degradability**

**Persistence and degradability** No further relevant information available.

**Ecological information on ingredients.****OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS**

<b>Biodegradation</b>	The substance is readily biodegradable.
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**BISPHENOL F EPICHLOROHYDRIN RESIN**

<b>Persistence and degradability</b>	Not expected to be readily biodegradable.
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**12.3. Bioaccumulative potential**

**Bioaccumulative potential** No data available on bioaccumulation.

**Ecological information on ingredients.****OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS**

<b>Bioaccumulative potential</b>	Potentially bioaccumulating. BCF: ~ 160-263, Estimated value., Fish
<b>Partition coefficient</b>	Partition coefficient, n-octanol/water log Pow 3.77: OECD 107 test: shake flask method.

**BISPHENOL F EPICHLOROHYDRIN RESIN**

<b>Bioaccumulative potential</b>	BCF: 100-3000,
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**12.4. Mobility in soil**

**Mobility** No further relevant information available

**Ecological information on ingredients.****OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS**

<b>Mobility</b>	Not considered mobile.
<b>Adsorption/desorption coefficient</b>	Koc >5000 OECD 121: HPLC method.

**BISPHENOL F EPICHLOROHYDRIN RESIN**

<b>Adsorption/desorption coefficient</b>	Not available.
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**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

**Ecological information on ingredients.****OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS**

## BAL ABSOLUTE GROUT RESIN

### Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### BISPHENOL F EPICHLOROHYDRIN RESIN

### Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

Other adverse effects Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	08 00 00 wastes from the manufacture, formulation, supply and use (MFSU) of coatings (peaints, varnishes. and vitreous enamels), adhesives, sealants and printing inks. 08 02 00 Wastes from MFSU of other coatings (including ceramic materials). 08 02 99 Wastes not otherwise specified.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BISPHENOL F EPICHLOROHYDRIN RESIN)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BISPHENOL F EPICHLOROHYDRIN RESIN)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BISPHENOL F EPICHLOROHYDRIN RESIN)
<b>Proper shipping name (ADN)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BISPHENOL F EPICHLOROHYDRIN RESIN)

#### 14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9



## BAL ABSOLUTE GROUT RESIN

### Transport labels



#### 14.4. Packing group

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

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

Guidance Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

Revision comments	1
Issued by	Head of R+D
Revision date	30/06/2022
SDS number	20714
Hazard statements in full	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 ABSOLUTE GROUT RESIN

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.