



BAL ABSOLUTE GROUT RESIN

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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 Use(s) Epoxy adhesive and grout.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

Company Identification Building Adhesives Limited

Address of Manufacturer Longton Road

Trentham

Stoke on Trent

Postal code ST4 8JB

Telephone: +44 (0)1782 591100

Fax Not known.

E-mail sdsreply@building-adhesives.com

Office hours 8:30am-5pm, Mon-Fri (excluding bank holidays)

1.4 Emergency telephone number

Emergency Phone No. 01865 407 333 (24/7 all year)

Contact No information available.

National response centre

Address NHS Direct

Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI Skin Irrit. 2 :Causes skin irritation.

2019/720 and UK SI 2020/1567 Skin Sens. 1 :May cause an allergic skin reaction.

Eye Irrit. 2 :Causes serious eye irritation.

Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name BAL ABSOLUTE GROUT RESIN

Hazard Pictogram(s)



GHS07



GHS09

Signal Word(s)

Warning

Hazard Statement(s)

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.



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H319: Causes serious eye irritation.
 H411: Toxic to aquatic life with long lasting effects.
 EUH205: Contains epoxy constituents. May produce an allergic reaction.

Precautionary Statement(s) P102: Keep out of reach of children.
 P261: Avoid breathing vapours.
 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 in accordance with local, state or national legislation.

2.3 Other hazards

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

2.4 Additional Information

Contains: bis-[4-(2,3-epoxypropoxy)phenyl]propane, oxirane, mono[(C12-14-alkyloxy)methyl] derivs., Bisphenol F epoxy resin.
 For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Bis-[4-(2,3-epoxypropoxy)phenyl]propane	1675-54-3	216-823-5	50-70	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Aquatic Chronic 2 H411	GHS07 GHS09
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	271-846-8	10-20	Skin Irrit. 2 H315 Skin Sens. 1 H317	GHS07
Bisphenol F epoxy resin	9003-36-5	701-263-0	10-20	Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Chronic 2 H411	GHS07 GHS09



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For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Skin Contact	Immediately wash with soap and water and rinse thoroughly. Immediately take off all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	The product is not flammable. Use fire extinguishing media suitable for surrounding fire. CO ₂ , alcohol resistant foam or extinguishing powder should be used.
Unsuitable extinguishing media	Do not use a full water jet.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body. Do not allow spillages to reach sewage systems or water bodies. Do not allow spillages to enter ground or soil.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses. Collect and dispose of spillages as detailed in section 13.



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6.4 Reference to other sections

See also section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing vapours. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store in original container. Store away from foodstuffs.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

See 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure

Limits

DNELs

1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane

Dermal DNEL worker 8.33mg/kg/bw/d

Inhalative DNEL worker 12.25mg/m³

68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Dermal DNEL worker 1mg/kg/bw/d

Inhalative DNEL worker 3.6mg/m³

9003-36-5 Bisphenol F epoxy resin

Dermal DNEL worker 104.15mg/kg/bw/d

Inhalative DNEL worker 29.39mg/m³

PNECs

1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane

PNEC 0.006mg/l freshwater

PNEC 0.0006mg/l seawater

68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

PNEC 0.0072mg/l freshwater

PNEC 0.00072mg/l; seawater

9003-36-5 Bisphenol F epoxy resin

PNEC 0.003mg/l freshwater

PNEC 0.0003mg/l seawater

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present. Keep away from foodstuffs and beverages.



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8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374). Nitrile rubber or PVC gloves are recommended with a minimum thickness of 0.5mm.



Respiratory protection Normally no personal respiratory protection is necessary. If ventilation is inadequate, a combination filter A-P2 is recommended.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Viscous liquid. Colour : White or light grey
Odour	Characteristic
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	>200°C.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Apprx 1.1.
Solubility(ies)	Solubility (Water) : Insoluble Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.



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9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.
Product will react with strong oxidising agents, acids, alkalis and amines.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known. Fire will release toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion

Calculation method : Not classified.

LD/LC50 values that are relevant for this classification:

1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane

LD50 15,000mg/kg (rat)

68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs

LD50 >5,000mg/kg (rat)

9003-36-5 Bisphenol F epoxy resin

LD50 >2,000mg/kg (rat)

Acute toxicity - Skin Contact

Calculation method : Not classified.

LD/LC50 values that are relevant for this classification:

1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane

LD50 23,000mg/kg (rab)

68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs

LD50 >4,500mg/kg (rab)

9003-36-5 Bisphenol F epoxy resin

LD50 >2,000mg/kg (rat)

Acute toxicity - Inhalation

Calculation method : Not classified.

Skin corrosion/irritation

Calculation method : Causes skin irritation.

Serious eye damage/irritation

Calculation method : Causes serious eye irritation.

Skin sensitization data

Calculation method : May cause an allergic skin reaction.

Respiratory sensitization data

Calculation method : Not classified.

Germ cell mutagenicity

Calculation method : Not classified.

Carcinogenicity

Calculation method : Not classified.

Reproductive toxicity

Calculation method : Not classified.



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Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

	Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Toxic for aquatic organisms. <u>1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane</u> 1.8mg/l Daphnia magna (EC50(48h)) <u>68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs</u> 7.2mg/l Daphnia magna (EC50(48h)) <u>9003-36-5 Bisphenol F epoxy resin</u> 2.55mg/l Daphnia magna (EC50(48h))
Toxicity - Fish	Toxic for fish. <u>1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane</u> 2mg/l oncorhynchus mykiss (LC50(96h)) <u>68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs</u> >5000mg/l oncorhynchus mykiss (EC50(96h)) <u>9003-36-5 Bisphenol F epoxy resin</u> 2.54mg/l Leuciscus idus (EC50(96h))
Toxicity - Algae	Toxic for algae. <u>1675-54-3 Bis-[4-(2,3-epoxypropoxy)phenyl]propane</u> 11mg/l Scenedesmus capricornutum (EC50(72h)) <u>9003-36-5 Bisphenol F epoxy resin</u> 1.8mg/l Scenedesmus capricornutum (EC50(72h))
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.
12.2 Persistence and degradability	Not known.
12.3 Bioaccumulative potential	Not known.
12.4 Mobility in soil	Not known.
12.5 Results of PBT and vPvB assessment	Not applicable
12.6 Other adverse effects	None known.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3082

14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN).

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 9

ADR Classification Code M6

Special Provisions 274, 335, 375, 601

Limited Quantities 5 L

Excepted Quantities E1

Emergency Action Code •3Z

Mixed Packing Instructions for Packages P001 IBC03 LP01 R001

Special Packing Provisions for Packages PP1

Mixed Packing Instructions for Packages MP19

Packing Instructions for Portable Tanks T4

Special Provisions for Portable Tanks TP1 TP29

Tank Code for Tanks LGBV

Special Provisions for Tanks

Vehicle for Tank Carriage AT

ADR Transport Category 3

Tunnel Restriction Code -

Special Provisions for Carriage - Packages V12

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - CV13

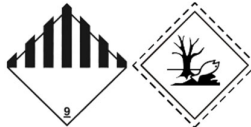
Loading, Unloading and Handling

Special Provisions for Carriage - Operation



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ADR HIN	90
IMDG	
IMDG Class	9
Special Provisions	274, 335, 375, 601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-A S-F
Stowage and Handling	Category A
Segregation	
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (EPOXY RESIN).
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y964
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg G
Passenger and Cargo Aircraft Packing Instructions	964
Passenger and Cargo Aircraft Max net Qty	450L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158, A197, A215
Emergency Response Guidebook (ERG) Code	9L
Labels	
Labels	9



14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user



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Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Not listed

Substances of Very High Concern
for Authorisation

UK REACH Authorisation List Not listed

(Annex XIV) list of substances
subject to authorisation

UK REACH Restrictions List oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2), bis-
(Annex XVII) Restrictions on the [4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3), Bisphenol F
manufacture, placing on the epoxy resin (9003-36-5)

market and use of certain
dangerous substances, mixtures
and articles

UK REACH Rolling Action Plan Not listed
(RAP)

The Persistent Organic Pollutants Not listed
Regulations 2007 (SI 2007/3106)
as amended

The Ozone-Depleting Substances Not listed
and Fluorinated Greenhouse
Gases (Amendment etc.) (EU
Exit) Regulations 2019 (SI
2019/583)

The Prior Informed Consent (PIC) Not listed
Regulations concerning the
export and import of hazardous
chemicals SI2008/2108 as
amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2),
(CoRAP) 2,2'-[(1-methylethylidene)bis(4,1-
phenyleneoxymethylene)]bisoxirane (1675-54-3), Reaction mass
of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane)
and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane)
and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane
(701-263-0)

15.2 Chemical Safety Assessment

United Kingdom A REACH chemical safety assessment has not been carried out.



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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS07



GHS09

Hazard classification

Skin Irrit. 2 : Skin corrosion/irritation, Category 2
 Skin Sens. 1 : Skin sensitization, Category 1
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2
 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Hazard Statement(s)

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.
 EUH205: Contains epoxy constituents. May produce an allergic reaction.

Precautionary Statement(s)

P102: Keep out of reach of children.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321: Specific treatment (see Medical Advice on this label).
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P391: Collect spillage.
 P501: Dispose of contents in accordance with local, state or national legislation.



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Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE : Acute Toxicity Estimate
 CAS : Chemical Abstracts Service
 DNEL : Derived No Effect Level
 EC : European Community
 EINECS : European Inventory of Existing Commercial Chemical Substances
 IATA : International Air Transport Association
 IBC : Intermediate Bulk Container
 ICAO : International Civil Aviation Organization
 IMDG : International Maritime Dangerous Goods
 LTEL : Long term exposure limit
 PBT : Persistent, Bioaccumulative and Toxic
 PNEC : Predicted No Effect Concentration
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
 STEL : Short term exposure limit
 STOT : Specific Target Organ Toxicity
 UN : United Nations
 vPvB : very Persistent and very Bioaccumulative

Issued by:

Head of R+D

Issue number:

01

Key literature references and sources for data used to compile the SDS

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

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