



BAL ABSOLUTE GROUT HARDENER

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 HARDENER

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 Corr. 1A :Causes severe skin burns and eye damage.

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

Eye Dam. 1 :Causes serious eye damage.

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

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Hazard Pictogram(s)



GHS05



GHS07



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.



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H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s) P102: Keep out of reach of children.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 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.
 P310: Immediately call a POISON CENTRE/doctor.
 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: fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine; 1,3-Cyclohexanedimethanamine; 3-aminopropyltriethoxysilane.
 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)
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	68082-29-1	500-191-5	50-100	Skin Irrit. 2 H315 Skin Sens. 1A H317 Eye Dam. 1 H318 Aquatic Chronic 2 H411	GHS05 GHS07 GHS09
1,3-Cyclohexanedimethanamine	2579-20-6	219-941-5	10-25	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Corr. 1A H314 Eye Dam. 1 H318 Aquatic Chronic 3 H412	GHS05 GHS07
3-aminopropyltriethoxysilane	919-30-2	213-048-4	<2.5	Acute Tox. 4 H302 Skin Corr. 1B H314 Skin Sens. 1 H317 Eye Dam. 1 H318	GHS05 GHS07

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



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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Take affected person into the open air and position comfortably. Seek medical attention immediately if discomfort continues.
Skin Contact	Instantly wash with soap and water and rinse thoroughly. If skin irritation continues, get medical attention.
Eye Contact	Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. Continue rinsing. Get medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

No further information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire. CO2 or extinguishing powder.
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.

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.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

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



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7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Store locked up. Keep out of reach of children.
Storage life	Ambient.
Incompatible materials	Stable under normal conditions.
	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

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

DNELs

68082-29-1 Fatty acids, C18-unsatd.,etc.

Dermal DNEL worker 1.1kg mg/kg/bw/d

Inhalative DNEL worker 3.9mg/m³

2579-20-6 1,3-Cyclohexanedimethanamine

Inhalative DNEL worker 0.00947mg/m³

919-30-23-aminopropyltriethoxysilane

Inhalative DNEL worker 59mg/m³

PNECs

68082-29-1 Fatty acids, C18-unsatd.,etc.

0.00434 mg/l freshwater

0.000434mg/l seawater

2579-20-6 1,3-Cyclohexanedimethanamine

0.033mg/l freshwater

0.003mg/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. Wash hands before breaks and at the end of work.

8.2.2. Personal protection equipment



Eye Protection

Wear tightly sealed 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.



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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	Liquid.
	Colour : Amber
Odour	Amine-like.
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	Not known.
Solubility(ies)	Solubility (Water) : Not known. 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.

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.

10.4 Conditions to avoid

None anticipated.



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10.5 Incompatible materials

Not known.

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. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE – 2500 <u>68082-29-1 Fatty acids, C18-unsatd.,etc.</u> LD50 >2000mg/kg (rat) <u>2579-20-6 1,3-Cyclohexanedimethanamine</u> LD50 700mg/kg (rat) <u>919-30-23-aminopropyltriethoxysilane</u> LD50 1,780mg/kg (rat)
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 6111.11 <u>68082-29-1 Fatty acids, C18-unsatd.,etc.</u> LD50 >2000mg/kg (rat) <u>2579-20-6 1,3-Cyclohexanedimethanamine</u> LD50 1,700mg/kg (rab) <u>919-30-23-aminopropyltriethoxysilane</u> LD50 4,290mg/kg (rab)
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Causes severe skin burns and eye damage.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
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.
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

Toxicity - Aquatic invertebrates	Toxic to aquatic life with long lasting effects. <u>2579-20-6 1,3-Cyclohexanedimethanamine</u> 65.4mg/l Daphnia magna (EC50(48h))
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919-30-23-aminopropyltriethoxysilane	
331/l mg/l Daphnia magna (EC50(48h))	
Toxicity - Fish	<u>2579-20-6 1,3-Cyclohexanedimethanamine</u>
	130mg/l Leuciscus idus (LC50(96h))
	<u>919-30-23-aminopropyltriethoxysilane</u>
	>934mg/l Danio rerio (LC50(96h))
Toxicity - Algae	<u>68082-29-1 Fatty acids, C18-unsatd.,etc.</u>
	1.25mg/l Algae Scenedesmus sp. (LC50(72h))
	<u>2579-20-6 1,3-Cyclohexanedimethanamine</u>
	>100mg/l Pseudokirchnerilla subcapitata (EC50(72h))
Toxicity - Sediment	Not classified.
Compartment	
Toxicity - Terrestrial	Not classified.
Compartment	
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 known.
12.6 Other adverse effects	
	None known.

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. 2735

14.2 UN proper shipping name

UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S (Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine; 1,3-Cyclohexanedimethanamine)

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 8

ADR Classification Code C7

Special Provisions 274



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Limited Quantities	1 L
Excepted Quantities	E2
Emergency Action Code	2X
Mixed Packing Instructions for Packages	P001 IBC02
Special Packing Provisions for Packages	
Mixed Packing Instructions for Packages	MP15
Packing Instructions for Portable Tanks	T11
Special Provisions for Portable Tanks	TP1 TP27
Tank Code for Tanks	L4BN
Special Provisions for Tanks	
Vehicle for Tank Carriage	AT
ADR Transport Category	2
Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	
ADR HIN	80
IMDG	
IMDG Class	8
Special Provisions	274
Limited Quantities	1 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001 IBC02
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T11
Special Provisions for Portable Tanks	TP1 TP27
IMDG EMS	F-A, S-B
Stowage and Handling	Category A
Segregation	SGG18 SG35
Marine Pollutant	
ICAO/IATA	



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IATA Proper Shipping Name	AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine; 1,3-Cyclohexanedimethanamine)
Excepted Quantities	E2
Passenger and Cargo Aircraft	Y840
Limited Quantities Packing Instructions	
Passenger and Cargo Aircraft	0.5 L
Limited Quantities Max net Qty	
Passenger and Cargo Aircraft	851
Packing Instructions	
Passenger and Cargo Aircraft	1 L
Max net Qty	
Cargo Aircraft Packing	855
Instructions	
Cargo Aircraft Max net Qty	30 L
Special Provisions	A3, A803
Emergency Response Guidebook (ERG) Code	8L
Labels	
Labels	8



14.4 Packing group

Packing group II

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

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 Substances of Very High Concern for Authorisation Not listed

UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation Not listed

UK REACH Restrictions List (Annex XVII) Restrictions on the manufacture, placing on the

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1), 1,3-

tall-oil fatty acids and triethylenetetramine (68082-29-1), 1,3-



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market and use of certain dangerous substances, mixtures and articles

Cyclohexanedimethanamine (2579-20-6), 3-aminopropyltriethoxysilane (919-30-2)

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)

The Prior Informed Consent (PIC) 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 (CoRAP) Not listed

15.2 Chemical Safety Assessment

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

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS05



GHS07



GHS09

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4
 Acute Tox. 4 : Acute toxicity, Category 4
 Skin Corr. 1A : Skin corrosion/irritation, Category 1A
 Skin Corr. 1B : Skin corrosion/irritation, Category 1B
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2
 Skin Sens. 1 : Skin sensitization, Category 1
 Skin Sens. 1A : Skin sensitization, Category 1A
 Eye Dam. 1 : Serious eye damage/irritation, Category 1
 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2



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Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)	<p>H302: Harmful if swallowed.</p> <p>H312: Harmful in contact with skin.</p> <p>H314: Causes severe skin burns and eye damage.</p> <p>H315: Causes skin irritation.</p> <p>H317: May cause an allergic skin reaction.</p> <p>H318: Causes serious eye damage.</p> <p>H411: Toxic to aquatic life with long lasting effects.</p> <p>H412: Harmful to aquatic life with long lasting effects.</p>
Precautionary Statement(s)	<p>P102: Keep out of reach of children.</p> <p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264: Wash hands and exposed skin thoroughly after handling.</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of water.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310: Immediately call a POISON CENTRE/doctor.</p> <p>P321: Specific treatment (see Medical Advice on this label).</p> <p>P333+P313: If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362+P364: Take off contaminated clothing and wash it before reuse.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P391: Collect spillage.</p> <p>P405: Store locked up.</p> <p>P501: Dispose of contents in accordance with local, state or national legislation.</p>
Acronyms	<p>ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</p> <p>ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>ATE : Acute Toxicity Estimate</p>



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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

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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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