



## SAFETY DATA SHEET BAL EASYPOXY AG RESIN

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

**Product name** BAL EASYPOXY AG 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.

**Uses advised against** No specific uses advised against are identified.

#### 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) ROI:- +353 (0)1 809 2166 (available 8am-10pm, 7 days)

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

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

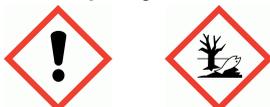
**Environmental hazards** Aquatic Chronic 2 - H411

**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

**BAL EASYPOXY AG RESIN**

<b>Hazard statements</b>	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.
<b>Precautionary statements</b>	P102 Keep out of reach of children. 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 local regulations. P102 Keep out of reach of children.
<b>Supplemental label information</b>	EUH205 Contains epoxy constituents. May produce an allergic reaction.
<b>Contains</b>	EPOXY RESIN (Number average MW <= 700 ), BISPHENOL F EPICHLOROHYDRIN RESIN, OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>EPOXY RESIN (Number average MW &lt;= 700 )</b>	<b>10-30%</b>
CAS number: 25068-38-6	EC number: 500-033-5
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
<b>BISPHENOL F EPICHLOROHYDRIN RESIN</b>	<b>5-10%</b>
CAS number: 28064-14-4	
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
<b>OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS</b>	<b>5-10%</b>
CAS number: 68609-97-2	
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317	
<b>4-NONYLPHENOL, BRANCHED, ETHOXYLATED</b>	<b>&lt;1%</b>
CAS number: 127087-87-0	
<b>Classification</b> Aquatic Chronic 3 - H412	

## BAL EASYPOXY AG RESIN

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

<b>General information</b>	No further information available.
<b>Inhalation</b>	This product is strongly irritating.
<b>Ingestion</b>	Nausea, vomiting.
<b>Skin contact</b>	The product contains a sensitising substance.
<b>Eye contact</b>	Irritating and may cause redness and pain.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Fight fire from safe distance or protected location.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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#### 6.2. Environmental precautions

## BAL EASYPOXY AG RESIN

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**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)

**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

#### EPOXY RESIN (Number average MW <= 700 ) (CAS: 25068-38-6)

**DNEL** Professional - Dermal; Short term systemic effects: 8.3 mg/kg/day  
 Professional - Inhalation; Short term systemic effects: 12.3 mg/m<sup>3</sup>  
 Professional - Dermal; Long term systemic effects: 8.3 mg/kg/day  
 Professional - Inhalation; Long term systemic effects: 12.3 mg/m<sup>3</sup>  
 Consumer - Dermal; Short term systemic effects: 3.6 mg/kg/day  
 Consumer - Inhalation; Short term systemic effects: 0.75 mg/m<sup>3</sup>  
 Consumer - Oral; Short term systemic effects: 0.75 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 3.6 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 0.75 mg/m<sup>3</sup>  
 General population - Oral; Long term systemic effects: 0.75 mg/kg/day

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

#### 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

**BAL EASYPOXY AG RESIN****OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (CAS: 68609-97-2)**

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

Wear chemical splash goggles.

**Hand protection**

It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Thickness:  $\geq 0.1$  mm The selected gloves should have a breakthrough time of at least 8 hours.

**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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn. It is recommended to use respiratory equipment with combination filter, type A2/P2.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Coloured paste.
<b>Colour</b>	Various colours.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 8-9
<b>Initial boiling point and range</b>	200°C
<b>Flash point</b>	>100°C
<b>Relative density</b>	~ 1.3
<b>Solubility(ies)</b>	Forms an emulsion with water.
<b>Auto-ignition temperature</b>	>350°C

**9.2. Other information**

<b>Other information</b>	No information required.
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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**BAL EASYPOXY AG RESIN****10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Not determined.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid contact with acids. Strong oxidising agents.

**10.5. Incompatible materials**

**Materials to avoid** Strong acids. Strong alkalis.

**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>).

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

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

**Ingestion** Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

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

**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

**Target organs** No specific target organs known.

**Toxicological information on ingredients.****EPOXY RESIN (Number average MW <= 700 )****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 11,400.0

**Species** Rat

**ATE oral (mg/kg)** 11,400.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 20,000.0

**Species** Rabbit

**ATE dermal (mg/kg)** 20,000.0

**BAL EASYPOXY AG RESIN**

**Skin contact** Slightly irritating.

**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.

**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

**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.****EPOXY RESIN (Number average MW <= 700 )****Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 1.3 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 2.1 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** LC<sub>50</sub>, 72 hours: 11 mg/l, Algae

**Chronic aquatic toxicity**

**Chronic toxicity - fish early life stage** LC<sub>50</sub>, 96 hours: 2 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 0.3 mg/l, Daphnia magna

**BISPHENOL F EPICHLOROHYDRIN RESIN**

**Toxicity** Toxic to aquatic life.

**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)

## BAL EASYPOXY AG RESIN

**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

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not readily biodegradable. The product is slowly degradable.

#### Ecological information on ingredients.

##### EPOXY RESIN (Number average MW <= 700 )

**Persistence and degradability** Not expected to be readily biodegradable.

##### BISPHENOL F EPICHLOROHYDRIN RESIN

**Persistence and degradability** Not expected to be readily biodegradable.

##### OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

**Biodegradation** The substance is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No information available.

#### Ecological information on ingredients.

##### EPOXY RESIN (Number average MW <= 700 )

**Bioaccumulative potential** BCF: 3-31,

**Partition coefficient** Partition coefficient, n-octanol/water log Pow 3.2 estimated.

##### BISPHENOL F EPICHLOROHYDRIN RESIN

**Bioaccumulative potential** BCF: 100-3000,

##### OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

**Bioaccumulative potential** Potentially bioaccumulating. BCF: ~ 160-263, Estimated value., Fish

**Partition coefficient** Partition coefficient, n-octanol/water log Pow 3.77: OEECD 107 test: shake flask method.

### 12.4. Mobility in soil

#### Ecological information on ingredients.

##### EPOXY RESIN (Number average MW <= 700 )

**Adsorption/desorption coefficient** Expected to have a low potential for adsorption.

##### BISPHENOL F EPICHLOROHYDRIN RESIN

**BAL EASYPOXY AG RESIN**

**Adsorption/desorption coefficient** Not available.

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

**Mobility** Not considered mobile.

**Adsorption/desorption coefficient** Koc >5000 OECD 121: HPLC method.

**12.5. Results of PBT and vPvB assessment****Ecological information on ingredients.****EPOXY RESIN (Number average MW <= 700 )**

**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.

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

**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 relevant.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information****14.1. UN number**

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

**14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), BISPHENOL F EPICHLOROHYDRIN RESIN)

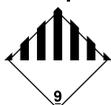
**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), BISPHENOL F EPICHLOROHYDRIN RESIN)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), BISPHENOL F EPICHLOROHYDRIN RESIN)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), BISPHENOL F EPICHLOROHYDRIN RESIN)

**BAL EASYPOXY AG RESIN****14.3. Transport hazard class(es)**

ADR/RID class	9
ADR/RID label	9
IMDG class	9
ICAO class/division	9

**Transport labels****14.4. Packing group**

ADR/RID 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 Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

<b>Key literature references and sources for data</b>	Selected exposure, bioaccumulation and toxicology data taken from Dow and Momentive MSDSs
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## BAL EASYPOXY AG RESIN

<b>Revision comments</b>	2
<b>Issued by</b>	Technical Manager
<b>Revision date</b>	05/05/2020
<b>Hazard statements in full</b>	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. H412 Harmful to aquatic life with long lasting effects.

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.