



SAFETY DATA SHEET BAL EASYPOXY AG RESIN

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

01865 407 333 (24hr)

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 BISPHENOL F EPICHLOROHYDRIN RESIN
EPOXY RESIN (Number average MW <= 700)
OXIRANE, MONO [(C12-14- ALKYL OXY)METHYL] DERIVS

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 EASYPOXY AG RESIN

Precautionary Statements

P273	Avoid release to the environment.
P280	Wear protective gloves. Wear eye 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

P261	Avoid breathing vapour/spray.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P363	Wash contaminated clothing before reuse.

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

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)		10-30%
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	
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS		10-30%
CAS-No.: 68609-97-2	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Classification (67/548/EEC) R43 Xi;R38	

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.

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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

No further information available.

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

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

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.

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

BAL EASYPOXY AG RESIN

8.1. Control parameters

Ingredient Comments

WEL = Workplace Exposure Limits

DNEL

Consumer	Dermal	Short Term	Systemic Effects	8.3 mg/kg/day
Consumer	Inhalation.	Short Term	Systemic Effects	12.3 mg/m ³
Consumer	Dermal	Long Term	Systemic Effects	8.3 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	12.3 mg/m ³

PNEC

Freshwater	0.003	mg/l
Marinewater	0.003	mg/l
Sediment (Freshwater)	0.1	mg/kg
Sediment (Marinewater)	0.05	mg/kg
Soil	0.15	mg/kg

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

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

Hand protection

Nitrile gloves are recommended. Gloves of nitrile rubber, PVA or Viton are recommended.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

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	Coloured paste.
Colour	Misc. colours.
Odour	Characteristic.
Solubility	Forms an emulsion with water.
Initial boiling point and boiling range (°C)	>200
Relative density	1.5
pH-Value, Conc. Solution	8-9
Flash point (°C)	>100
Auto Ignition Temperature (°C)	>450

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

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10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

None under normal conditions. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Not relevant at normal room temperatures. When heated, toxic vapours may be formed.

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.

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.

Toxicological information on ingredients.

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

Toxic Dose 1 - LD 50

20000 mg/kg (oral-mouse)

Toxic Dose 2 - LD 50

19800 mg/kg (oral-rbt)

Acute toxicity:

Acute Toxicity (Oral LD50)

11400 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

Aspiration hazard:

Skin contact

Slightly irritating.

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

Acute toxicity:

Acute Toxicity (Oral LD50)
> 50000 mg/kg Rat

Acute Toxicity (Dermal LD50)
> 4500 mg/kg Rabbit
Acute Toxicity (Inhalation LC50)
> 0.15 mg/l (vapours) Rat

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

Acute toxicity:

Acute Toxicity (Oral LD50)
> 50000 mg/kg Rat

Acute Toxicity (Dermal LD50)
> 4500 mg/kg Rabbit
Acute Toxicity (Inhalation LC50)
> 0.15 mg/l (vapours) Rat

Aspiration hazard:

Inhalation

Not relevant at normal room temperatures. When heated, harmful vapours may be formed.

Ingestion

Harmful if swallowed.

Skin contact

Slightly irritating. May cause sensitisation by skin 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.

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

Acute Toxicity - Aquatic Plants
EC50 72 hours 11 mg/l Selenastrum capricornutum
EC50 96 hours 220 mg/l Scenedesmus subspicatus
Acute Toxicity - Microorganisms
96 hours 6 mg/l Activated sludge
Chronic Toxicity - Aquatic Invertebrates
NOEC 21 days 0.3 mg/l Daphnia magna

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

Acute Toxicity - Fish
LC50 96 hours 1.8 mg/l Lepomis macrochirus (Bluegill)
EC 50, 48 Hrs, Daphnia, mg/l
1-10mg/l
IC 50, 72 Hrs, Algae, mg/l
843.75

Acute Toxicity - Aquatic Plants
EC50 72 hours 843 mg/l Selenastrum capricornutum
NOEC 72 hours 500 mg/l Selenastrum capricornutum
Acute Toxicity - Microorganisms
EC50 > 100 mg/l Activated sludge

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

Acute Fish Toxicity
Very toxic to aquatic organisms.

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12.2. Persistence and degradability

Degradability

The product is not readily biodegradable. The product is slowly degradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

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

Bioaccumulation factor

BCF 100-3000

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

Bioaccumulation factor

BCF 100-3000

12.4. Mobility in soil

Ecological information on ingredients.

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

Adsorption/Desorption Coefficient

Not available.

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

Mobility:

Not considered mobile.

Adsorption/Desorption Coefficient

Soil Koc > 5000

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

Adsorption/Desorption Coefficient

Not available.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

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

This product does not contain any PBT or vPvB substances.

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

This product does not contain any PBT or vPvB substances.

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

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not relevant

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

UN No. (IMDG) 3082

UN No. (ICAO) 3082

14.2. UN proper shipping name

BAL EASYPOXY AG RESIN

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700), BISPHENOL F EPICHLOROHYDRIN RESIN)

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
Tunnel Restriction Code (E)

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

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

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BAL EASYPOXY AG RESIN

Issued By	Technical Manager
Revision Date	16.04.16
Risk Phrases In Full	
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
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.