

SAFETY DATA SHEET EVO-STIK EPOXY CONTROL RESIN

According to Regulation (EC) No 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	EVO-STIK EPOXY CONTROL RESIN
Product No.	808508, 808518

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Two component epoxy based adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier	BOSTIK LIMITED
	COMMON ROAD
	STAFFORD
	STAFFORDSHIRE
	ST16 3EH
	+44 1785 272625
	sds.uk@bostik.com

1.4. Emergency telephone number

+44 1785 272650 (24 Hours)

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.

Warning

H31 H31 H31 H41

2.2. Label elements

Contains

BISPHENOL A-EPICHLORHYDRIN EPOXY RESIN (NUMBER AV MW<700) BISPHENOL F EPOXY RESIN OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS TRIMETHYLOLPROPANE TRIGLYCIDYL ETHER

Label In Accordance With (EC) No. 1272/2008



Signal Word Hazard Statements

5	Causes skin irritation.
7	May cause an allergic skin reaction.
9	Causes serious eye irritation.
1	Toxic to aquatic life with long lasting effects.

Precautionary Statements

	P102	Keep out of reach of children.
	P103	Read label before use.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P403+235	Store in a well-ventilated place. Keep cool.
	P501	Dispose of contents/container in accordance with local regulations.
Supplementary Precautionary State	ements	
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P337+313	If eye irritation persists: Get medical advice/attention.
	P402+404	Store in a dry place. Store in a closed container.
Supplemental label information		
	EUH205	Contains epoxy constituents. May produce an allergic reaction.
2.2 Other hezerde		

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BENZYL ALCOHOL			1-5%
CAS-No.: 100-51-6	EC No.: 202-859-9		Registration Number: 01-2119492630-38
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332		Classification (67/548/EEC) Xn;R20/22	
BISPHENOL A-EPICHLORHYDRIN	EPOXY RESIN (NUMBER AV N	/W<700)	30-60%
CAS-No.: 25068-38-6	EC No.: 500-033-5		Registration Number: 05-2114287500-52
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.	
BISPHENOL F EPOXY RESIN			10-30%
CAS-No.: 9003-36-5	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.	

OXIRANE, MONO [(C12-14- ALKYLOXY)	METHYL] DERIVS		1-5%
CAS-No.: 68609-97-2	EC No.:		
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Skin Irrit. 2 - H315		R43	
Skin Sens. 1 - H317		Xi;R38	
TRIMETHYLOLPROPANE TRIGLYCIDYL	ETHER		5-10%
CAS-No.: 30499-70-8	EC No.: 222-384-0		
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Skin Irrit. 2 - H315		Xi;R36/38.	
Eye Irrit. 2 - H319		R43,R52/53.	
Skin Sens. 1 - H317			
Aguatic Chronic 3 - H412			

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

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

Eye contact

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent entry into drains and water courses.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers.

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. Persons susceptible to allergic reactions should not handle this product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

8.1. Control parameters

Ingredient Comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment





Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile.

Eye protection

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

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station. 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. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odour	Mild.
Initial boiling point and boiling range	> 200°C
(°C)	
Relative density	1.16

11.000 - 17.000 mPas 25°C

> 150

Flash point (°C)

Viscosity

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid contact with strong oxidisers. Avoid contact with acids and alkalis.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information No information available.

Inhalation Vapour may irritate respiratory system or lungs.

Ingestion May cause discomfort if swallowed.

Skin contact Liquid may irritate skin. May cause sensitisation by skin contact.

Eye contact Irritating to eyes. Medical Considerations Skin disorders and allergies.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

Semi-mobile.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor

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

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL
	A-EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700), BISPHENOL F EPOXY 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	ш
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). Control of Substances Hazardous to Health.

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).

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General information

This product should be used as directed by Bostik Ltd. For further information consult the product data sheet or contact Technical Services. Information Sources

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision. This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Bostik Limited.

Issued By	Approved EC
Revision Date	December 2014
Revision	2
Date	September 2011
Risk Phrases In Full	
R20/22	Harmful by inhalation and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.



SAFETY DATA SHEET EVO-STIK EPOXY CONTROL HARDENER

According to Regulation (EC) No 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	EVO-STIK EPOXY CONTROL HARDENER
Product No.	808508, 808518

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Powdered Cement / Grout

1.3. Details of the supplier of the safety data sheet

Supplier	BOSTIK LIMITED
	COMMON ROAD
	STAFFORD
	STAFFORDSHIRE
	ST16 3EH
	+44 1785 272625
	sds.uk@bostik.com

1.4. Emergency telephone number

+44 1785 272650 (24 Hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Classification (1999/45/EEC)

Physi	cal and Chemical Hazards	Not classified.
Huma	an health	Skin Irrit. 2 - H315;Eye Dam. 1 - H318;Skin Sens. 1 - H317
Envir	onment	Not classified.
Xi;R4	1. R43.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Contains AMINES, POLYETHYLENEPOLY-, TRIETHYLENETETRAMINE FRACTION Label In Accordance With (EC) No. 1272/2008



Signal Word	Danger	
Hazard Statements		
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
Precautionary Statements		
	P102	Keep out of reach of children.
	P103	Read label before use.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P261	Avoid breathing vapour/spray.

	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove
		contact lenses, if present and easy to do. Continue rinsing.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P337+313	If eye irritation persists: Get medical advice/attention.
	P501	Dispose of contents/container in accordance with local regulations.
Supplementary Precautionary Statem	ents	
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P310	Immediately call a POISON CENTER or doctor/physician.
	P402+404	Store in a dry place. Store in a closed container.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
Supplementary Precautionary Statem	P302+352 P310 P402+404	Immediately call a POISON CENTER or doctor/physician. Store in a dry place. Store in a closed container.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

AMINES, POLYETHYLENEPOLY-, TRIETHYLENETETRAMINE FRACTION 1		1-5%
EC No.: 292-588-2		
	Classification (67/548/EEC)	
	-	
	R43,R32/33.	
		60-100%
EC No.:		
	Classification (67/548/EEC) Xi;R41.	
	EC No.: 292-588-2	EC No.: 292-588-2 Classification (67/548/EEC) Xn;R21/22. R43,R52/53. EC No.: Classification (67/548/EEC)

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

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.

Eye contact

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of dust. Use protective gloves, goggles and suitable protective clothing.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide good ventilation. Avoid inhalation of dust and contact with skin and eyes.

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)

Usage Description *IMPORTANT* Use within time period as indicated on packaging.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Eye protection

Wear dust resistant safety goggles where there is danger of eye contact.

Other Protection

Provide eyewash station. Wear appropriate clothing to prevent repeated or prolonged 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. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber.
Odour	Ammonia.
Initial boiling point and boiling range (°C)	> 260°C
Relative density	0.96
Flash point (°C)	> 200°C

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not available. Hazardous Polymerisation Unknown.

10.4. Conditions to avoid

Avoid contact with strong oxidisers.

10.5. Incompatible materials

Materials To Avoid Bases, alkalis (inorganic). Acids, oxidising.

10.6. Hazardous decomposition products

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation Irritating to respiratory system.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Irritating to skin. May cause sensitisation by skin contact.

Eye contact

Risk of serious damage to eyes. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

Medical Considerations Skin disorders and allergies.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

No data available

12.2. Persistence and degradability

Degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: Not relevant, due to the form of the product.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

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Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

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15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General information

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Issued By	Approved EC
Revision Date	December 2014
Revision	2
Date	September 2011
Risk Phrases In Full	
R21/22	Harmful in contact with skin and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
Hazard Statements In Full	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.