

MATERIAL SAFETY DATA SHEET

SELF LEVELLING EPOXY FLOORING - PACK A

SECTION 1. Identification of the substance/mixture and of the company/undertaking.

- 1.1 Product identifier : Epoxy Products Self Levelling Epoxy Flooring - Pack A
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Epoxy resin floor topping
- 1.3 Details of the supplier of the safety data sheet : Epoxy Products Limited, Unit 7 Haviland Road, Ferndown Industrial Estate,
Wimborne, Dorset. BH21 7RZ England
Tel No. +44 (0) 1202 891899
- Email Address – Technical Information : sales@epoxyproducts.co.uk
- Telephone : +44 (0) 1202 891899
- 1.4 Emergency telephone number : +44 (0) 1202 891899

SECTION 2. Hazards Identification

- 2.1 Classification of the substance or mixture
Classification according to Regulation 1272/2008 (CLP)
Skin corrosion/irritant - Category 2 H315 : Causes skin irritation.
Eye damage/irritant – Category 2 H319 : Causes serious eye irritation
Skin sensitisation - Category 1 H317 : May cause an allergic skin reaction.
Aquatic Chronic - Category 2 H411 : Toxic to aquatic life with long lasting effects.

2.2 Label Elements

Hazard pictograms/symbols



Signal Word: Warning

Hazard Statements:

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.

Precautionary Statements:

- Prevention : Wear protective gloves
Wear eye or face protection
Avoid release to the environment
- Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Disposal : Disposal of contents/container to be specified in accordance with national regulations.

2.3 Other Hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annexe X111

Not Applicable

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annexe X111

Not Applicable

SECTION 3. Composition/Information on Ingredients

Component	EINECS	CAS Number	Concentration %	Classification (CLP)	REACH REG
Epoxy Resin Bisphenol Type A (Mol. Wt.<700)	500-033-5	25068-38-6	<20	Skin Corr/Irrit. 2; H315 Eye Dam/Irrit. 2 ; H319 Skin Sens. 1 ; H317 Aquatic Chronic 2, H411	01-2119456619-26
Formaldehyde, polymer with (chloromethyl) oxirane and Phenol, MW<700	500-006-8	9003-36-5	<10	Skin Corr/Irrit. 2; H315 Skin Sens. 1 ; H317 Aquatic Chronic 2, H411	01-2119454392-40
Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs.	271-846-8	68609-97-2	<5	Skin Corr/Irrit. 2; H315 Skin Sens. 1 ; H317	01-2119485289

SECTION 4 First-aid measures

- 4.1 Description of first aid measures
- Eye Contact : Rinse immediately with plenty of water also under the eyelids for at least 10 minutes. Remove contact lenses. Get medical attention.
- Skin Contact : Wash off immediately with plenty of water for at least 10 minutes. Wash off with soap and water. Immediately remove contaminated clothing and any extraneous chemical without delay.
- Ingestion : Wash out mouth with water. If victim has swallowed material and is still conscious give small amounts of water to drink. Stop if person feels sick. Do not induce vomiting unless directed to do so by medical personnel.. Seek immediate medical attention.

- 4.2 Most important symptoms and effects, both acute and delayed.
- | | |
|--------------------------------|--|
| Potential acute health effects | |
| Eye contact | Causes serious eye irritation |
| Inhalation | No known significant effects or critical hazards |
| Skin contact | Causes skin irritation. May cause an allergic skin reaction |
| Ingestion | Irritating to mouth, throat and stomach. |
| Over exposure signs/symptoms | |
| Eye contact | Adverse symptoms may include the following:
Pain or irritation
Watering
Redness |
| Inhalation | No known significant effects or critical hazards |
| Skin contact | Adverse symptoms may include the following:
Irritation
Redness |
| Ingestion | No specific data |
- 4.3 Indication of any immediate medical attention and special treatment needed
No specific treatment

SECTION 5. Fire-fighting measures

- 5.1 Extinguishing media
- | | |
|--------------------------------|---|
| Suitable extinguishing media | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | None known |
- 5.2 Special hazards arising from the substance
Hazards from the substance or mixture Incomplete combustion may form carbon dioxide ,carbon monoxide and halogenated compounds.
- 5.3 Advice for fire-fighters
Special protective actions for fire fighters Promptly isolate the scene by removing all persons from the vicinity of the fire.
Special protective equipment for fire fighters Fire fighters should wear appropriate protective equipment.

SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Wear suitable protective clothing, gloves and eye/face protection
- 6.2 Environmental precautions
Prevent contamination of soil and water.
Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
- 6.3 Methods and material for containment and cleaning up
Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage

SECTION 7. Handling and storage

- 7.1 Precautions for safe handling
Protective measures
Wear appropriate personal protective equipment. Avoid contact with eyes, skin or clothing. Do not ingest. Keep containers closed when not in use.
- Advice on general occupational hygiene
Do not eat, drink or smoke when handling this product. Wash hands after handling.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well ventilated areas
Do not store in unlabelled containers.

SECTION 8. Exposure controls/personal protection

- 8.1 Control parameters
Occupational exposure limits No exposure limit value known
- 8.2 Exposure controls
Provide readily accessible eye wash stations and safety showers. Provide natural or explosion proof ventilation adequate to ensure concentrations are kept below explosion limits.
- Personal protective equipment
- | | |
|---------------------------------|---|
| Hand protection | Chemically resistant, impervious gloves should be worn at all times when handling.
Butyl rubber, Nitrile rubber, neoprene gloves, impervious gloves, latex or vinyl disposable gloves. |
| Eye/face protection | Protective eye glasses or goggles must be worn. |
| Skin and body protection | Standard issue work clothes. Long sleeve shirts, trousers or overalls must be worn. |
| Environmental exposure controls | Construct a dike to prevent spreading. |

SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- | | |
|-----------------------|-----------------------------------|
| Physical state/colour | Viscous liquid in various colours |
| Odour | Not available |
| Relative density | Not available |
| Flash Point | 150°C |
| Viscosity | Not available |
| Ph | Not available |

SECTION 10. Stability and reactivity

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	This product is stable
10.3 Possibility of hazardous reactions	No specific data
10.4 Conditions to avoid	No specific data
10.5 Incompatible materials	No specific data
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11. Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity	
No data available on the product itself.	
Components - Oral	
Epoxy Resin Bisphenol Type A	No acutely toxic in rat and mouse studies, LD50>2000mg/kg
Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs.	No acutely toxic in rat and mouse studies, LD50>2000mg/kg LD50 >2.0grams (Female Rat) and LD50 = 26.8 grams (Male Rat)
Components - Inhalation	
Epoxy Resin Bisphenol Type A	Due to the low vapour pressure, meaning full acute inhalation studies could not be conducted.
Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs.	No specific data No mortalities were observed in rats exposed for 7 hours to the saturated vapour (150mg/m ³)
Components – Dermal	
Epoxy Resin Bisphenol Type A	No acutely toxic in rat and mouse studies, LD50>2000mg/kg
Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs.	No specific data No specific data
Potential acute health effects	
Eye contact	Causes serious eye irritation.
Inhalation	Irritating to mouth, throat and stomach.
Ingestion	No known significant effects or critical hazards
Over exposure signs/symptoms	
Eye contact	Adverse symptoms may include the following: Pain or irritation Watering Redness
Inhalation	No known significant effects or critical hazards
Skin contact	Adverse symptoms may include the following: Irritation Redness
Ingestion	No specific data
Chronic toxicity or effects from long term exposures	
Carcinogenicity	No known significant effects or critical hazards
Reproductive toxicity	No known significant effects or critical hazards
Germ cell mutagenicity	No specific data is available.

SECTION 12. Ecological information

12.1 Toxicity	
Aquatic toxicity	No data is available on the products itself
Epoxy Resin Bisphenol Type A	Acute LC50 1.30 mg/l Fish
Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs.	Acute LC50 2.54 mg/l Fish Acute LC50 1.80 mg/l Fish – Rainbow Trout Acute EC50 844 mg/l Aquatic Plants - Algae
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data is available

SECTION 13. Disposal considerations

13.1 Waste treatment methods	
Product	Waste to be treated as controlled waste. Dispose to licensed waste disposal site. In accordance with local waste disposal authority.
Packaging	Keep container labelled until cleaned and then remove or deface labels. Drain container thoroughly and rinse well with water. Treat rinsings as for product disposal. Empty packaging should be removed by a licensed waste contractor.

SECTION 14 Transport information

- 14.1 UN Number
- 14.2 UN Proper shipping name
- 14.3 Transport Hazard Class
- 14.4 Packaging Group

Land Transport ADR / ADN

UN Number 3082
UN Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID
N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)
Transport Hazard Class 9
Packaging Group 111

Air Transport ICAO / IATA

UN Number 3082
UN Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID
N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)
Transport Shipping Class 9
Packaging Group 111

Maritime Transport IMO / IMDG

UN Number 3082
UN Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID
N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER)
Transport Shipping Class 9
Packaging Group 111

- 14.5 Environmental hazards
Environmentally hazardous and/or marine pollutant : YES

SECTION 15. Regulatory information

- 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances to authorisation.
Substances of very high concern

Carcinogen : Not listed
Mutagen : Not listed
Toxic to reproduction : Not listed
PBT : Not listed
VPvB : Not listed

SECTION 16. Other Information

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

Full Text of Classifications (CLP)

Skin Corrosion/Irritation Category 2, H315 Skin Corrosion/irritation – Category 2
Skin Sensitisation Category 1, H317 Skin Sensitisation - Category 1
Eye Damage/Irritation Category 2, H319 Serious Eye Damage/Eye Irritation – Category 2
Aquatic Chronic Category 2, H411 Aquatic Hazard (Long lasting) – Category 2

Date Issued : 14.01.2016
Reference : SLEF/A/01
Product Code : Epoxy Products Self Levelling Epoxy Flooring - Pack A)
Intended Use : Epoxy resin floor topping.

The information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

MATERIAL SAFETY DATA SHEET

SELF LEVELLING EPOXY FLOORING - PACK B

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

- 1.1 Product identifier : Epoxy Products Epoxy Flooring - Pack B
1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Epoxy Curing Agent
1.3 Details of the supplier of the safety data sheet : Epoxy Products Limited, Unit 7 Haviland Road, Ferndown Industrial Estate,
Wimborne, Dorset. BH21 7RZ England
Tel No. +44 (0) 1202 891899
Email Address – Technical Information : sales@epoxyproducts.co.uk
Telephone : +44 (0) 1202 891899
1.4 Emergency telephone number : +44 (0) 1202 891899

SECTION 2. Hazards Identification

- 2.4 Classification of the substance or mixture
Classification according to Regulation 1272/2008 (CLP)
Skin Corr. 1B ; H314 : Causes severe skin burns and eye damage
Eye Dam. 1 ; H318 : Causes serious eye damage
Skin Sens.1 ; H317 : May cause an allergic skin reaction.
Aquatic Chronic 3; H412 : Harmful to aquatic life with long lasting effects.

- 2.5 Label Elements
Hazard pictograms/symbols



Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray

P303+P361+P353 IF ON SKIN:(or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

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

P405: Store locked up

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.6 Other Hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annexe X111

Not Applicable

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annexe X111

Not Applicable

SECTION 3. Composition/Information on Ingredients

Component	EINECS	CAS Number	Concentration %	Classification (CLP)	REACH REG
Benzyl Alcohol	202-859-9	100-51-6	25 - 50	Acute Tox 4; H302 Acute Tox 4; H332 Eye Irrit. 2; H319	01-2119492630-38
3-aminomethyl-3,5,5-trimethylamine Benzenemine, hydrogenated	220-666-8	2855-13-2	50 – 75	Skin Corr. 1B; H314 Acute Tox.4 ; H302 Acute Tox 4; H312 Skin Sens.1; H317 Aquatic Chronic 3 ; H412	01-2119514687-32-
Salicylic Acid	200-712-3	69-72-7	3 – 10	Eye Damage 1 ; H318 Acute Tox 4; H302	

SECTION 4: First-aid measures

- 4.1 Description of first aid measures
General advice

Seek medical advice. If breathing has stopped or is laboured, give assisted respirations.
Supplemental oxygen maybe indicated. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation immediately.

Eye Contact	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.
Skin Contact	Wash off immediately with plenty of water for at least 20 minutes. Wash off with soap and water. Immediately remove contaminated clothing and any extraneous chemical without delay.
Ingestion	Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victims head to one side.
Inhalation	Remove to fresh air. If rapid recovery does not occur, obtain medical attention.
4.2 Most important symptoms and effects, both acute and delayed.	
Symptoms	No data available
4.3 Indication of any immediate medical attention and special treatment needed	No data available

SECTION 5. Fire-fighting measures

5.1 Extinguishing media	Alcohol resistant foam, carbon dioxide, dry chemical, dry sand or limestone powder
Extinguishing media – Not suitable	No data available
5.2 Special hazards arising from the substance	Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated
5.3 Advice for fire-fighters	Avoid contact with skin. Use personal protective equipment. Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment	Wear suitable protective clothing, gloves and eye/face protection. Use self contained breathing
6.2 Environmental precautions	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
6.3 Methods and material for containment and cleaning up	Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage

SECTION 7. Handling and storage

7.1 Precautions for safe handling	Do not use sodium nitrate or other nitrosating agents in formulations containing this product. Suspected cancer causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.
7.2 Conditions for safe storage, including any incompatibilities	Do not store near acids. Keep away from alkalis. Keep containers tightly closed in a dry, cool and well ventilated place.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters	If applicable, refer to the extended section of the MSDS (available upon request)
8.2 Exposure controls	Provide readily accessible eye wash stations and safety showers. Provide natural or explosion proof ventilation adequate to ensure concentrations are kept below explosion limits.
8.3 Personal protective equipment	
Hand protection	Chemically resistant, impervious gloves should be worn at all times when handling. Butyl rubber, Nitrile rubber, neoprene gloves, impervious gloves, latex or vinyl disposable gloves.
Eye/face protection	Protective eye glasses or goggles must be worn.
Skin and body protection	Standard issue work clothes. Long sleeve shirts, trousers or overalls must be worn.
Environmental exposure controls	Construct a dike to prevent spreading.
Special instructions for protection and	Discard contaminated clothing. Provide accessible eye wash stations and safety showers. Wash hands at the end of each workshift and before eating, drinking, smoking or using the toilet.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Physical state/colour	Liquid. Amber
Odour	Amine like
Relative density	1.03 g/m ³
Boiling point	>200°C
Flash Point	>100°C
Autoignition temperature	>380°C
Self inflammability	Product is not self-igniting
Danger of explosion	Product is not explosive
Viscosity	190 mPas

SECTION 10. Stability and reactivity

10.1 Reactivity	Refer to possibility of hazardous reactions and/or incompatible materials section
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	Toxic gases and vapours

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Likely routes of exposure	
Effects on Eye	Strong caustic effect
Effects on Skin	Caustic effect on skin and mucous membranes
Ingestion Effects	Caustic effect on mouth and throat.
Acute Toxicity	
Acute Inhalation Toxicity	No data available on the product itself.

Components

Benzyl Alcohol

Oral	LD50 1040 mg/kg	Species: Mouse and Rabbit
	LD50 1230 mg/kg	Species: Rat
Dermal	LD50 2000 mg/kg	Species: Rabbit

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	LD50 930 mg/kg	Species: Rat
Dermal	LD50 3100 mg/kg	Species: Rabbit

m-phenylenebis(methylamine)

Oral	LD50 1040 mg/kg	Species: Mouse and Rabbit
	LD50 1230 mg/kg	Species: Rat
Dermal	LD50 >2000 mg/kg	Species: Rabbit

Phenol, Styrenated

Oral	LD50 >2000 mg/kg	Species: Rat
Dermal	LD50 >2000 mg/kg	Species: Rat

SECTION 12. Ecological information

12.1 Toxicity

Aquatic toxicity No data is available on the products itself

Toxicity to fish – Components

Benzyl Alcohol	LC50 (96 h):	460mg/l	Species: Pimephales promelas
		640mg/l	Species: Goldorfe (orfe)
		10mg/l	Species: Lepomis macrochirus

3-aminomethyl-3,5,5-trimethylcyclohexylamine

m-phenylenebis(methylamine)	LC50 (96 h):	110mg/l	Species: Leuciscus idus
		>100mg/l	Species: Ochorhyncus mykiss
		>100mg/l	Species: Zebra danio

Phenol, Styrenated

LC50 (96 h): 14.8mg/l Species: Fish

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available on the product itself

12.4 Mobility in soil

No data is available

SECTION 13. Disposal considerations

Waste treatment methods

Waste to be treated as controlled waste. Dispose to licensed waste disposal site. In accordance with local waste disposal authority.

Contaminated Packaging

Keep container labelled until cleaned and then remove or deface labels. Drain container thoroughly and rinse well with water. Treat rinsings as for product disposal. Empty packaging should be removed by a licensed waste contractor.

SECTION 14 Transport information

14.5 UN Number

14.6 UN Proper shipping name

14.7 Transport Hazard Class

14.8 Packaging Group

Land Transport ADR / ADN

UN Number	2735
UN Proper Shipping Name	2735 AMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE)
Transport Hazard Class	8 (C7) Corrosive substances
Packaging Group	111

Air Transport ICAO / IATA

UN Number	2735
UN Proper Shipping Name	2735 AMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE)
Transport Shipping Class	8
Packaging Group	111

Maritime Transport IMO / IMDG

UN Number	2735
UN Proper Shipping Name	2735 AMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE)
Transport Shipping Class	8
Packaging Group	111

14.5 Environmental hazards

Environmentally hazardous and/or marine pollutant : NO

SECTION 15. Regulatory information

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

Country : EU
Regulatory List : EINECS
Notofication : Included on EINECS inventory

SECTION 16. Other Information

Date Issued : 14.01.2016
Reference : SLEF/B/01
Product Code : Epoxy Products Self Levelling Epoxy Flooring (Hardener - Pack B)
Intended Use : Epoxy resin floor topping.

The information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.