



## SAFETY DATA SHEET MORTEC EP DRAIN PART A

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

#### 1.1. Product identifier

Product name MORTEC EP DRAIN PART A

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

Identified uses Binder for drainage mortar.  
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 [[(2-ETHYLHEXYL)OXY]METHYL]OXIRANE  
BISPHENOL F EPICHLOROHYDRIN RESIN  
EPOXY RESIN (Number average MW <= 700 )

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.

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	H411	Toxic to aquatic life with long lasting effects.
Precautionary Statements	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P262	Do not get in eyes, on skin, or on clothing.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face 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	P302+352	IF ON SKIN: Wash with plenty of soap and water.
Supplemental label information	EUH205	Contains epoxy constituents. May produce an allergic reaction.

### 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<p>[[[(2-ETHYLHEXYL)OXY]METHYL]OXIRANE</p> <p>CAS-No.: 2461-15-6                      EC No.:</p>	1-5%
<p>Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412</p>	<p>Classification (67/548/EEC) Xi;R38,R36. R43,R52/53.</p>
<p>BENZYL ALCOHOL</p> <p>CAS-No.: 100-51-6                      EC No.: 202-859-9</p>	5-10%
<p>Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332</p>	<p>Classification (67/548/EEC) Xn;R20/22</p>
<p>BISPHENOL F EPICHLOROHYDRIN RESIN</p> <p>CAS-No.: 28064-14-4                      EC No.:</p>	10-30%
<p>Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411</p>	<p>Classification (67/548/EEC) Xi;R36/38. N;R51/53. R43.</p>
<p>EPOXY RESIN (Number average MW &lt;= 700 )</p> <p>CAS-No.: 25068-38-6                      EC No.: 500-033-5</p>	60-100%
<p>Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411</p>	<p>Classification (67/548/EEC) R43 Xi;R36/38 N;R51/53</p>

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

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Composition Comments  
Modified epoxy resin.

## SECTION 4: FIRST AID MEASURES

### **4.1. Description of first aid measures**

General information

Remove victim immediately from source of exposure. Get medical attention immediately!

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.

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 further information provided.

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Water spray. Carbon dioxide (CO<sub>2</sub>). Foam.

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

Hazardous combustion products

None under normal conditions. During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl).

### **5.3. Advice for firefighters**

Special Fire Fighting Procedures

If possible, fight fire from protected position. Cool containers exposed to flames with water until well after the fire is out. Dike and collect extinguishing water.

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. For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Provide good ventilation.

### 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

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

Professional	Dermal	Short Term	Systemic Effects	8.3 mg/kg/day
Professional	Inhalation.	Short Term	Systemic Effects	12.3 mg/kg/day
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/kg/day
Consumer	Oral	Short Term	Systemic Effects	0.75 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	3.6 mg/kg/day

### 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

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

Use protective gloves. Nitrile gloves are recommended.

Eye protection

Wear tight-fitting goggles or face shield.

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.

Skin protection

Wear apron or protective clothing in case of contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear

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Odour	Characteristic.
Initial boiling point and boiling range (°C)	>100
Viscosity	900 mPas 20C
Flash point (°C)	>100

## **9.2. Other information**

No information required.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not known.

Hazardous Polymerisation

May polymerise.

Polymerisation Description

Polymerises easily with evolution of heat. Keep cool.

### **10.4. Conditions to avoid**

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

### **10.5. Incompatible materials**

Materials To Avoid

No incompatible groups noted.

### **10.6. Hazardous decomposition products**

None under normal conditions. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl). Phenol

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Inhalation

Irritating to respiratory system.

Ingestion

May cause stomach pain or vomiting.

Skin contact

May cause sensitisation by skin contact. Irritating to skin.

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.

**MORTEC EP DRAIN PART A**  
**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:

Slightly irritating.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**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

**12.2. Persistence and degradability**

No information available.

Ecological information on ingredients.

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

Not expected to be readily biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.

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

Bioaccumulation factor  
BCF 100-3000

**12.4. Mobility in soil**

Mobility:

No further information available.

Ecological information on ingredients.

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

Adsorption/Desorption Coefficient  
Not available.

**12.5. Results of PBT and vPvB assessment**

No information available.

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Ecological information on ingredients.

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

This product does not contain any PBT or vPvB substances.

### **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. After curing, the product can be disposed of with household waste.

## **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. (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
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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

Not applicable.

## 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

Issued By	Technical Manager
Revision Date	02.09.16
Revision	1
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.
R36	Irritating to eyes.
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.

#### 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.