



## SAFETY DATA SHEET EPOXY MORTAR E HARDENER

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

#### 1.1. Product identifier

**Product name** EPOXY MORTAR E HARDENER

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

**Identified uses** Epoxy Resin (Hardener Component)

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** PAREX Ltd  
Holly Lane Industrial Estate  
Atherstone  
Warwickshire  
CV9 2QZ  
Tel: +44 (0)1827 711755  
(Mon-Fri 08:30-16:30)  
Fax: +44 (0)1827 711330  
sds@parex.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** Tel: 44 (0)1827 711755 (Mon-Fri 08:30 - 16:30)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f STOT SE 3 - H335

**Environmental hazards** Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H361f Suspected of damaging fertility.  
H411 Toxic to aquatic life with long lasting effects.

## EPOXY MORTAR E HARDENER

**Precautionary statements**

P260 Do not breathe vapour/ spray.  
 P501 Dispose of contents/ container in accordance with national regulations.  
 P264 Wash contaminated skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P404 Store in a closed container.

**Contains** 2,2'-IMINODIETHYLAMINE, BISPHENOL A

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>2,2'-IMINODIETHYLAMINE</b>	<b>50 - 100%</b>
CAS number: 111-40-0	EC number: 203-865-4
	REACH registration number: 01-2119473793-27-0000

##### Classification

Acute Tox. 4 - H302  
 Acute Tox. 4 - H312  
 Acute Tox. 2 - H330  
 Skin Corr. 1B - H314  
 Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 STOT SE 3 - H335

##### BISPHENOL A

**25 - 50%**

CAS number: 80-05-7

REACH registration number: 01-2119457856-23-0000

##### Classification

Eye Dam. 1 - H318  
 Skin Sens. 1 - H317  
 Repr. 1B - H360F  
 STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

**Ingredient notes** Bisphenol A, CAS No 80-05-7, is a Substance of Very High Concern, SVHC

#### SECTION 4: First aid measures

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

**Inhalation** Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion** DO NOT induce vomiting. Get medical attention immediately. Immediately rinse mouth and drink plenty of water (200-300 ml).

**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water.

**Eye contact** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

## EPOXY MORTAR E HARDENER

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

Inhalation	Fatal if inhaled.
Ingestion	May cause stomach pain or vomiting.
Skin contact	This product is strongly corrosive.
Eye contact	This product is strongly corrosive.

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

Notes for the doctor	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

**Specific hazards** Oxides of Carbon, Benzoic Acid, Benzene

### 5.3. Advice for firefighters

**Protective actions during firefighting** Beware, risk of formation of toxic and corrosive gases.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Provide adequate ventilation. Absorb spillage with sand or other inert absorbent. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Ensure there is sufficient ventilation in work area.

**Advice on general occupational hygiene** Wash at the end of each work shift and before eating, smoking and using the toilet.

### 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. Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep away from food, drink and animal feeding stuffs.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

## EPOXY MORTAR E HARDENER

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### 2,2'-IMINODIETHYLAMINE

Long-term exposure limit (8-hour TWA): WEL 1 ppm(Sk) 4.3 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL

Long-term exposure limit (8-hour TWA): WEL 1ppm 4.3mg/m<sup>3</sup> Sk (Ireland)

##### BISPHENOL A

Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 10mg/m<sup>3</sup> (inh) (Ireland)

WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

##### Eye/face protection

Use safety goggles and face shield in case of splash risk. Personal protective equipment for eye and face protection should comply with European Standard EN166. Ensure that an eye wash station is close at hand.

##### Hand protection

Wear protective gloves made of the following material: Nitrile rubber. Viton rubber (fluoro rubber). Butyl rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Thickness: At least 0.5 mm

##### Other skin and body protection

Wear protective clothing.

##### Hygiene measures

Wash after use and before eating, smoking and using the toilet.

##### Respiratory protection

Combination filter A-P2

##### Environmental exposure controls

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Clear, yellowish liquid.
Odour	Amine.
Melting point	Not determined.
Initial boiling point and range	>200C at 760mm Hg
Flash point	96C
Bulk density	1.031 g/cm <sup>3</sup>
Solubility(ies)	Insoluble in water.
Explosive properties	Not considered to be explosive.

## EPOXY MORTAR E HARDENER

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None known.

##### 10.4. Conditions to avoid

##### 10.5. Incompatible materials

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None known.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Toxicological effects** Harmful if swallowed or in contact with skin. Fatal if inhaled

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 1.0

##### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

##### Respiratory sensitisation

**Respiratory sensitisation** May cause respiratory irritation.

##### Skin sensitisation

**Skin sensitisation** May cause an allergic skin reaction.

##### Reproductive toxicity

**Reproductive toxicity - fertility** Suspected of damaging fertility.

#### SECTION 12: Ecological Information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

##### 12.1. Toxicity

##### 12.2. Persistence and degradability

##### 12.3. Bioaccumulative potential

##### 12.4. Mobility in soil

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

##### 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

**General information** This material and its container must be disposed of as hazardous waste.

## EPOXY MORTAR E HARDENER

**Disposal methods** Dispose of contents/container in accordance with national regulations.

**Waste class** EWC 08 00 00 EWC 08 02 00 EWC 08 02 99

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID) 2079

UN No. (IMDG) 2079

UN No. (ADN) 2079

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) DIETHYLENETRIAMINE mixture, ENVIRONMENTALLY HAZARDOUS

Proper shipping name (IMDG) DIETHYLENETRIAMINE mixture, MARINE POLLUTANT

Proper shipping name (ADN) DIETHYLENETRIAMINE, mixture, ENVIRONMENTALLY HAZARDOUS

#### 14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID classification code C7

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 2

Emergency Action Code 2X

## EPOXY MORTAR E HARDENER

**Hazard Identification Number** 80  
(ADR/RID)

**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

**EU legislation** 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).  
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).

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

**Issued by** QSHE Manager

**Revision date** 27/02/2018

**Supersedes date** 09/10/2017

**SDS number** 20986

**Hazard statements in full** H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H360F May damage fertility.  
H361f Suspected of damaging fertility.  
H411 Toxic 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.