

## Centrecoat Epoxy Crack Filler Curing Agent

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Revision 0

Revision date 2015-05-27

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

#### 1.1. Product identifier

**Product name** Centrecoat Epoxy Crack Filler - Curing Agent

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

**Product Use** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites;

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

**Company** Promain UK Limited  
**Address** Pierson Court Knowl  
 Piece Hitchin,  
 Hertfordshire SG4 0TY  
**Web** www.promain.co.uk  
**Telephone** 01462 421333  
**Email** info@promain.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone number** 01462 421333  
 8.30am - 16.30pm Mon - Fri

### SECTION 2: Hazards identification

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

**2.1.1. Classification - 1999/45/EC** R53  
 Symbols:  
**Main hazards** May cause long-term adverse effects in the aquatic environment.  
**2.1.2. Classification - EC 1272/2008** Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412;

#### 2.2. Label elements

##### Hazard pictograms



##### Signal Word

Danger

##### Hazard Statement

Acute Tox. 4: H302 - Harmful if swallowed.  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 CENTER/doctor/ . P321 - Specific treatment (see on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
<b>Precautionary Statement: Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
trimethylhexamethylenediamine		25620-58-0	247-134-8		80 - 90%	R53	

EC 1272/2008

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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water.

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

<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
<b>Eye contact</b>	Risk of serious damage to eyes.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	Causes burns. Ingestion may cause nausea and vomiting.

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

<b>Inhalation</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Eye contact</b>	Seek medical attention.

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

Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam, Water. Do NOT use water jet.

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

Corrosive. Burning produces irritating, toxic and obnoxious fumes.

**5.3. Advice for firefighters**

Wear self contained breathing apparatus and protective clothing.

**Further information**

Dispose of as special waste in compliance with official regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment. Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

**6.4. Reference to other sections**

See section 8 for further information. See section 13 for further information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in original container.

**7.3. Specific end use(s)**

See section 1.2 for further information.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

Ensure adequate ventilation of the working area.

**8.2.2. Individual protection measures**

Wear suitable protective clothing.

**Eye / face protection**

Approved safety goggles.

## 8.2. Exposure controls

Skin protection - Handprotection	Chemical resistant gloves. Butyl rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.

## SECTION 9: Physical and chemical properties

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

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
Flash point	108 °C
pH	11.3
Viscosity	5 mPas (Cone & Plate)
Odour threshold	No data available
Explosive properties	No data available
Oxidising properties	No data available
Melting point	No data available
Freezing Point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Initial boiling point	> 200 °C
Solubility	Miscible in water

### 9.2. Other information

Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l
Conductivity	No data available
Surface tension	No data available
Gas group	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reacts with Acids, Alkalis, Oxidising Agents.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

**10.5. Incompatible materials**

Strong oxidising agents.

**10.6. Hazardous decomposition products**

No data is available on this product.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Reproductive toxicity	No observed effect level. No teratogenic effects reported.

**11.1.4. Toxicological Information**

trimethylhexamethylenediamine	Oral Rat LD50: 910mg/kg
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**11.1.13. Other information**

Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of esophagus and stomach.

**SECTION 12: Ecological information****12.1. Toxicity**

trimethylhexamethylenediamine	Daphnia EC50/48h: 31.5 mg/l Fish LC50/96h: 1000.0000 mg/l	Algae IC50/72h: 29.5000 mg/l
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**12.2. Persistence and degradability**

No data is available on this product.

**PBT**

Not applicable.

**12.3. Bioaccumulative potential**

No data is available on this product.

**Partition coefficient**

Curing	No data available
Agent	

**12.4. Mobility in soil**

Slightly miscible in water.

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

No data is available on this product.

**12.6. Other adverse effects**

No data is available on this product.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Dispose of in compliance with all local and national regulations.

**General information**

08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS.

<b>General information</b>	
	08 02 wastes from MFSU of other coatings (including ceramic materials). 08 02 99 wastes not otherwise specified.
<b>Disposal methods</b>	
	The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
<b>Disposal of packaging</b>	
	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do NOT reuse empty containers.

**SECTION 14: Transport information****Hazard pictograms**

<b>14.1. UN number</b>	
	UN2327
<b>14.2. UN proper shipping name</b>	
	TRIMETHYLHEXAMETHYLENEDIAMINE
<b>14.3. Transport hazard class(es)</b>	
ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-
<b>14.4. Packing group</b>	
Packing group	III
<b>14.5. Environmental hazards</b>	
Environmental hazards	No
Marine pollutant	No
<b>14.6. Special precautions for user</b>	
	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spillage.
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	
	For transport approval see regulatory information.
<b>ADR/RID</b>	
Hazard ID	80
Tunnel Category	(E)

IMDG	
EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

	<p>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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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**15.2. Chemical safety assessment**

	This product contains substances for which Chemical Safety Assessments are still required.
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**SECTION 16: Other information****Other information**

<b>Text of risk phrases in Section 3</b>	R53 - May cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
<b>Maximum content of VOC</b>	0 g/l.
<b>Further information</b>	

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
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