

## Centrecoat Epoxy Crack Filler Base

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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 - Base

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

<b>Product Use</b>	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing; ----- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC11] Non industrial spraying; ----- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying;
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#### 1.3. Details of the supplier of the safety data sheet

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

#### 1.4. Emergency telephone number

<b>Emergency telephone number</b>	01462 421333 8.30am - 16.30pm Mon - Fri
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### SECTION 2: Hazards identification

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

<b>2.1.1. Classification - 1999/45/EC</b>	Xi; R36/38-43 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the environment.
<b>Main hazards</b>	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>2.1.2. Classification - EC 1272/2008</b>	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

#### 2.2. Label elements

## 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. 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.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

## 2.3. Other hazards

Other hazards	No data is available on this product.
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## 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.
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	60 - 70%	Xi; R36/38 R43 N; R51/53	
bisphenol F-epoxy resin		9003-36-5	500-006-8	01-2119454392-40	10 - 20%		
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	01-2119485289-22	1 - 10%	Xi; R38 R43	

#### EC 1272/2008

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Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	60 - 70%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
bisphenol F-epoxy resin		9003-36-5	500-006-8	01-2119454392-40	10 - 20%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	01-2119485289-22	1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317;	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Carbon oxides. Dry chemical. Foam. Do NOT use water jet.
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#### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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#### 5.3. Advice for firefighters

	Wear self contained breathing apparatus and protective clothing. Do not allow runoff water to enter sewers or drains.
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### SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.
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#### 6.2. Environmental precautions

	Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.
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#### 6.3. Methods and material for containment and cleaning up

	Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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#### 6.4. Reference to other sections

	See section 8 for further information. See section 13 for further information.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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#### 7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.
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#### 7.3. Specific end use(s)

	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.
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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

	No exposure limit value known. If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of
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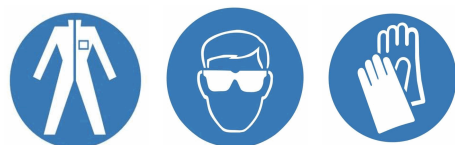
## 8.1. Control parameters

the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods of the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### 8.1.1. Exposure Limit Values

Bisphenol A-(epichlorhydrin) (reaction product)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 12.3
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total inhalable dust:	WEL 15 min limit mg/m3 total inhalable dust:
	WEL 8-hr limit mg/m3 total respirable dust:	WEL 15 min limit mg/m3 total respirable dust:

## 8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection -

Butyl rubber gloves. Chemical resistant gloves. Polyvinyl chloride - PVC ( ).

Handprotection

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

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Various
<b>Odour</b>	Slight
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	100 °C
<b>Flash point</b>	130 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper Explosive Limit</b>	No data available
<b>Lower Explosive Limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	1.13 (H <sub>2</sub> O = 1 @ 20 °C)
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	700 mPas (Cone & Plate)
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Slightly soluble in water

**9.2. Other information**

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

**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**

No data is available on this product.

**10.4. Conditions to avoid**

Heat will increase pressure in sealed containers.

**10.5. Incompatible materials**

Carbon oxides.

**10.6. Hazardous decomposition products**

Will not decompose if stored and used as recommended.

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

<b>Skin corrosion/irritation</b>	May cause irritation to skin.
<b>Serious eye damage/irritation</b>	May cause irritation to eyes.

### 11.1. Information on toxicological effects

Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level. No teratogenic effects reported.
Repeated or prolonged exposure	Once sensitised, an allergic reaction may occur when subsequently exposed to very low levels.

#### 11.1.4. Toxicological Information

Bisphenol A-(epichlorhydrin) (reaction product)	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >2000mg/kg
bisphenol F-epoxy resin	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >5000mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Bisphenol A-(epichlorhydrin) (reaction product)	Daphnia EC50/48h: 1.7000 mg/l	Algae IC50/72h: 9.4000 mg/l
	Fish LC50/96h: 1.5000 mg/l	
bisphenol F-epoxy resin	Daphnia EC50/48h: 1.6000 mg/l	Algae IC50/72h: 1.8000 mg/l
	Fish LC50/96h: 0.5500 mg/l	Algae EC50/72h: 1.8

### 12.2. Persistence and degradability

	Not readily biodegradable.
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### 12.3. Bioaccumulative potential

	Low.
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### Partition coefficient

	- Base No data available
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### 12.4. Mobility in soil

	No data is available on this product.
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### 12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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### 12.6. Other adverse effects

	No data is available on this product.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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### General information

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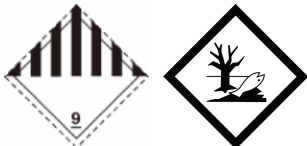
### Disposal methods

	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 spill material and
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<b>Disposal methods</b>	
	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

<b>Hazard pictograms</b>	
	

<b>14.1. UN number</b>	
	UN3082

<b>14.2. UN proper shipping name</b>	
	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-Epoxy Resin)

<b>14.3. Transport hazard class(es)</b>	
ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

<b>14.4. Packing group</b>	
Packing group	III

<b>14.5. Environmental hazards</b>	
Environmental hazards	Yes
Marine pollutant	Yes

<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	90
Tunnel Category	(E)
<b>IMDG</b>	
EmS Code	F-A S-F
<b>IATA</b>	
Packing Instruction (Cargo)	964
Maximum quantity	450 L
Packing Instruction (Passenger)	964
Maximum quantity	450 L

## SECTION 15: Regulatory information

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

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

<b>Regulations</b>	<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.

**SECTION 16: Other information**
**Other information**

<b>Text of risk phrases in Section 3</b>	<p>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.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Skin Irrit. 2: H315 - Causes skin irritation.  Skin Sens. 1: H317 - May cause an allergic skin reaction.  Eye Irrit. 2: H319 - Causes serious eye irritation.  Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p>
<b>Maximum content of VOC</b>	0 g/l.

**Further information**

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.