

## Centrecoat Armourcoat 3-350 Hardener

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Revision 1

Revision date 2017-01-25

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

#### 1.1. Product identifier

**Product name** Centrecoat Armourcoat 3-350 Hardener

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

**Description** Restricted to professional users.  
Component Of A Two Pack Epoxy Flooring Coating.

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

**Company** Promain UK Limited  
**Address** Promain House C1  
Pierson Court Knowl  
Piece, Hitchin  
Hertfordshire  
**Web** SG4 0TY  
**Telephone** www.promain.co.uk  
**Fax** 01462 421333  
**Email** -  
info@promain.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone number** 01462 421333  
8.30am - 5.30pm Mon - Thurs. 8.30am - 4.30pm Fri

### SECTION 2: Hazards identification

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

**2.1.1. Classification - 1999/45/EC** Xn; R20/22 Xi; R38-41  
Symbols: Xn: Harmful.  
**Main hazards** Harmful by inhalation and if swallowed. Irritating to skin. Risk of serious damage to eyes.  
**2.1.2. Classification - EC 1272/2008** Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; 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.  
Acute Tox. 4: H332 - Harmful if inhaled.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	<p>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.  P271 - Use only outdoors or in a well-ventilated area.  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.</p>
<b>Precautionary Statement: Response</b>	<p>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/ .  P312 - Call a POISON CENTER/doctor/ /if you feel unwell.  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.</p>
<b>Precautionary Statement: Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to local and national regulations

## 2.3. Other hazards

<b>Other hazards</b>	No data available.
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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.
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38 01-2119492630-38	30 - 40%	Xn; R20/22	
Benzene-1,3-dimethanamine		1477-55-0	216-032-5	01-2119480150-50	1 - 10%	C; R35 Xn; R20/22	
Salicylic Acid		69-72-7	200-712-3	01-2119486984-17	1 - 10%		

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A - epichlorohydrin-isophoronediamine copolymer		38294-64-3	500-101-4		40 - 50%	Skin Corr. 1B: H314; Skin Sens. 1: H317; Eye Dam. 1: H318; Aquatic Chronic 3: H412;	
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38 01-2119492630-38	30 - 40%	Acute Tox. 4: H332; Acute Tox. 4: H302;	

## 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>	In the event of skin contact, wipe off mechanically and wash affected areas thoroughly with soap and water.

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## 4.1. Description of first aid measures

Ingestion	Drink copious amounts of water and provide fresh air. Instantly call for doctor.
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## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	Immediate medical attention is required.

## 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.
Ingestion	Seek medical attention if irritation or symptoms persist.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Carbon dioxide (CO2). Extinguishing media. Water jet.
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### 5.2. Special hazards arising from the substance or mixture

	Formation of toxic gases is possible during heating or in case of fire.
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### 5.3. Advice for firefighters

	Special protective equipment. Wear self-contained breathing apparatus and chemical-protective clothing.
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## SECTION 6: Accidental release measures

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

	Wear suitable protective clothing.
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### 6.2. Environmental precautions

	Do not allow runoff water to enter sewers or drains. Do not let product contaminate subsoil.
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### 6.3. Methods and material for containment and cleaning up

	Sand.
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### 6.4. Reference to other sections

	Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	The usual precautionary measures for handling chemicals must be observed. Ensure good ventilation/exhaustion at the workplace.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Store in original container.
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### 7.3. Specific end use(s)

	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	Are listed on the following items according to where it is going to be used.
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### 8.2. Exposure controls

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## 8.2. Exposure controls



8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
Eye / face protection	safety glasses with side-shields.
Skin protection - Handprotection	Wear suitable gloves.
Skin protection - Other	Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

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

Appearance	Liquid
Colour	Yellowish
Odour	Amine
Odour threshold	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling 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
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

### 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

No data is available on this product.

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## 10.4. Conditions to avoid

	No decomposition if used according to specifications.
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## 10.5. Incompatible materials

	Strong oxidising agents.
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## 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	No data is available on this product.
Serious eye damage/irritation	No data is available on this product.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.

## SECTION 12: Ecological information

### 12.2. Persistence and degradability

	No data is available on this product.
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### 12.3. Bioaccumulative potential

	No data is available on this product.
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### Partition coefficient

	Centrecoat Armourcoat 3-350 Hardener 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

	This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/869/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residue materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.
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### Further information

	Further information on waste can be obtained from the document "Guidance on the Classification and Assessment of Waste, Technical guidance WM3.
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## SECTION 14: Transport information

### Hazard pictograms

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**Hazard pictograms**

**14.1. UN number**

UN2735

**14.2. UN proper shipping name**

AMINES, LIQUID, CORROSIVE N.O.S. (Contains isophoronediamine and 1,3-benzenedimethanamine)

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

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

**14.4. Packing group**

Packing group III

**14.5. Environmental hazards**

Environmental hazards	No
Marine pollutant	No

**14.6. Special precautions for user**

Use in conjunction with Manufacturers recommended guidelines.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available.

**ADR/RID**

Hazard ID	80
Tunnel Category	(E)

**IMDG**

EmS Code	F-A S-B
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**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**

"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".

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

"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".

## 15.2. Chemical safety assessment

For advice on essential measures see sections 7 and 8 of this safety data sheet.

## SECTION 16: Other information

### Other information

<b>Revision</b>	This document differs from the previous version in the following areas: 2 - 2.1. Classification of the substance or mixture. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 12 - 12.1. Toxicity. 15 - Labelling. 15 - Risk phrases. 15 - Safety phrases.
<b>Text of risk phrases in Section 3</b>	R20/22 - Harmful by inhalation and if swallowed. R20 - Harmful by inhalation. R22 - Harmful if swallowed. R34 - Causes burns. R41 - Risk of serious damage to eyes. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H332 - Harmful if inhaled.

### General information

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.

### 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.