

## Centrecoat Armourcoat 3-350 Resin

Page 1/7

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 Resin

#### 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** Xi; R36/38-43 N; R51/53  
Symbols: Xi: Irritant. N: Dangerous for the environment.

**Main hazards** 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.

**2.1.2. Classification - EC 1272/2008** Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

#### 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.

Print date 2017-01-25

# Centrecoat Armourcoat 3-350 Resin

Revision 1  
Revision date 2017-01-25

## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	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.
<b>Precautionary Statement: Response</b>	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.
<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.
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	20 - 30%	Xi; R36/38 R43 N; R51/53	
Bisphenol F - epichlorhydrin resin with Number Average Molecular Weight < 700		9003-36-5		01-2119454392-40	10 - 20%		
Glycidylether of a C12/C14-alcohol mixture		68609-97-2	271-846-8	01-2119485289-22	1 - 10%		
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38 01-2119492630-38	1 - 10%	Xn; R20/22	

#### EC 1272/2008

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	20 - 30%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01-2119492630-38 01-2119492630-38	1 - 10%	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>	Flush Immediately eye thoroughly with clean water. Consult a physician immediately if irritation persists.
<b>Skin contact</b>	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.
<b>Ingestion</b>	DO NOT induce the patient to vomit, medical advice is required.

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

<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	DO NOT INDUCE VOMITING.

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

# Centrecoat Armourcoat 3-350 Resin

Revision 1  
Revision date 2017-01-25

## 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	Seek medical attention if irritation or symptoms persist.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Carbon dioxide (CO<sub>2</sub>). Foam. Water spray, fog or mist.

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

Fire will produce dense black smoke.

### 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary. Protective equipment.

## SECTION 6: Accidental release measures

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

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

### 6.2. Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

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

Absorb with inert, absorbent material.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid prolonged skin contact. After contact with skin, wash immediately with plenty of water and soap.

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

Store in original container.

### 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

Are listed on the following items according to where it is going to be used.

### 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.

# Centrecoat Armourcoat 3-350 Resin

Revision 1

Revision date 2017-01-25

## 8.2. Exposure controls

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	Various
Odour	Mild
Evaporation rate	Not determined
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
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Solubility	No data available

### 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
VOC (Volatile organic compounds)	< 500
Benzene Content	Not applicable.
Lead content	Not applicable.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	No data available.
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### 10.2. Chemical stability

	This product is stable if stored and handled as prescribed/indicated.
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### 10.3. Possibility of hazardous reactions

	No data is available on this product.
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### 10.4. Conditions to avoid

	Avoid temperatures above 300oC. Potentially violent decomposition can occur above 350oC. Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can ve rapid.
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### 10.5. Incompatible materials

	Acids. Bases. Oxidising agents.
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### 10.6. Hazardous decomposition products

Print date 2017-01-25

# Centrecoat Armourcoat 3-350 Resin

Revision 1  
Revision date 2017-01-25

## 10.6. Hazardous decomposition products

No data is available on this product.

## 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.

### 11.1.4. Toxicological Information

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

Centrecoat Armourcoat 3-350 Resin No data available

### 12.4. Mobility in soil

No data is available on this product.

### 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

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.

### Further information

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

## SECTION 14: Transport information

### Hazard pictograms

# Centrecoat Armourcoat 3-350 Resin

Revision 1

Revision date 2017-01-25

**Hazard pictograms**

**14.1. UN number**

UN3082

**14.2. UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Epoxy Resin))

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

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

**14.4. Packing group**

Packing group III

**14.5. Environmental hazards**

Environmental hazards	Yes
Marine pollutant	Yes

**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	90
Tunnel Category	(E)

**IMDG**

EmS Code	F-A S-F
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**IATA**

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**

"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".

# Centrecoat Armourcoat 3-350 Resin

Revision 1

Revision date 2017-01-25

## 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. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 12 - 12.1. Toxicity. 15 - Labelling. 15 - Risk phrases.
<b>Text of risk phrases in Section 3</b>	R20/22 - Harmful by inhalation and if swallowed. R36/38 - Irritating to eyes and skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	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. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H332 - Harmful if inhaled.
<b>Maximum content of VOC</b>	500.

### 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.