

Centrecoat Armourcoat WB 2-80 Clear Hardener

Page 1/7

Revision 1

Revision date 2019-01-14

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

1.1. Product identifier

Product name Centrecoat Armourcoat WB 2-80 Clear 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 Floor 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 R52/53
Symbols:
Main hazards Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008 Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Skin Irrit. 2: H315 - Causes skin irritation.
Eye Dam. 1: H318 - Causes serious eye damage.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Centrecoat Armourcoat WB 2-80 Clear Hardener

Revision 1
Revision date 2019-01-14

2.2. Label elements

Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. 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. P310 -Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

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.
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25		F; R11 Xi; R36 R67	
3,6,9,12-Tetra-azatetradecamethylenediamine	612-064-00-2	4067-16-7	223-775-9	01-2194858262-22		C; R34 R43 N; R50/53	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Linseed Oil, polymer w/ bis-A, bis-A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether, pentaethylenhexamine		68915-81-1				Skin Irrit. 2: H315; Eye Dam. 1: H318;	
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25		Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
3,6,9,12-Tetra-azatetradecamethylenediamine	612-064-00-2	4067-16-7	223-775-9	01-2194858262-22		Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

Further information

If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, or the registration date has not yet come due. Refer to section 16 for full text of each relevant R-phrase and H-phrase.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.
Eye contact	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.
Skin contact	Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical. If possible to do so without delay. Take off contaminated clothing and shoes immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.
Ingestion	If a person vomits when lying on his back, place in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side.

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

Inhalation	No data is available on this product.
Eye contact	No data is available on this product.

Centrecoat Armourcoat WB 2-80 Clear Hardener

Revision 1
Revision date 2019-01-14

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

Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

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

Inhalation	No data is available on this product.
Eye contact	No data is available on this product.
Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Alcohol resistant foam. Dry chemical.
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5.2. Special hazards arising from the substance or mixture

	Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.
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5.3. Advice for firefighters

	Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
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6.2. Environmental precautions

	Construct a dike to prevent spreading.
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6.3. Methods and material for containment and cleaning up

	Approach suspected leak areas with caution. Place in appropriate chemical waste container.
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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

	Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Use personal protective equipment. When using, do not eat, drink or smoke.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and in a well-ventilated place.
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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

8.1.1. Exposure Limit Values

Centrecoat Armourcoat WB 2-80 Clear Hardener

Revision 1

Revision date 2019-01-14

8.1.1. Exposure Limit Values

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250
	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



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellowish
Odour	Ammoniacal
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash 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	No data available
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

Refer to possibility of hazardous reactions and/or incompatible materials sections.

10.2. Chemical stability

Stable under normal conditions.

Centrecoat Armourcoat WB 2-80 Clear Hardener

Revision 1

Revision date 2019-01-14

10.3. Possibility of hazardous reactions

No data is available on this product.

10.4. Conditions to avoid

No data is available on this product.

10.5. Incompatible materials

No data is available on this product.

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

Partition coefficient

Centrecoat Armourcoat WB 2-80 Clear Hardener 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

Dispose of container and unused contents in accordance with federal, state and local requirements.

Further information

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

Centrecoat Armourcoat WB 2-80 Clear Hardener

Revision 1

Revision date 2019-01-14

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

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".

"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".

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 3 - Further information.
Text of risk phrases in Section 3	R11 - Highly flammable. R34 - Causes burns. R36 - Irritating to eyes. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Print date 2019-01-14

Centrecoat Armourcoat WB 2-80 Clear Hardener

Revision 1

Revision date 2019-01-14

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.
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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.
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