



SAFETY DATA SHEET

RonaFloor Epoxy DPM - Part B

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

1.1. Product identifier

Product name RonaFloor Epoxy DPM - Part B

Product number PC485

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

Identified uses [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen) [ERC5] Industrial use resulting in inclusion into or onto a matrix [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) [AC4] Stone, plaster, cement, glass and ceramic articles

1.3. Details of the supplier of the safety data sheet

Supplier Ronacrete Limited
 Ronac House
 Flex Meadow
 Harlow
 Essex
 CM19 5TD
www.ronacrete.co.uk
 Tel: 01279 638 700
 Fax: 01279 638 701
 email: sds@ronacrete.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1279 638700

National emergency telephone number UK Consumers NHS 111. Medical professionals - www.toxbase.org

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Repr. 2 - H361f

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn; R20/22. C; R34. Repr. Cat. 3 R62. R43

2.2. Label elements

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Pictogram



Signal word

Danger

Hazard statements

H302+H332 Harmful if swallowed or if inhaled.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H361f Suspected of damaging fertility.

Precautionary statements

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe vapour/spray.
 P261 Avoid breathing vapour/spray.
 P264 Wash contaminated skin 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.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 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.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P321 Specific treatment (see medical advice on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

benzyl alcohol, 2,4,6-tris(dimethylaminomethyl)phenol, methylamine, 3-aminomethyl-3,5,5-trimethylcyclohexylamine, bisphenol A, 3-aminopropylidimethylamine

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

benzyl alcohol		30-60%
CAS number: 100-51-6	EC number: 202-859-9	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332		

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3-aminomethyl-3,5,5-trimethylcyclohexylamine 10-30% CAS number: 2855-13-2 EC number: 220-666-8
Classification Skin Corr. 1B - H314 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Sens. 1 - H317 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412
methylamine 10-30% CAS number: 1477-55-0
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412
2,4,6-tris(dimethylaminomethyl)phenol 10-30% CAS number: 90-72-2 EC number: 202-013-9
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
bisphenol A 5-10% CAS number: 80-05-7 EC number: 201-245-8
Classification Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f STOT SE 3 - H335 STOT SE 3 - H335

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3-aminopropyldimethylamine		1-5%
CAS number: 109-55-7	EC number: 203-680-9	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Eye Dam. 1 - H318		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.
Protection of first aiders	Care should be taken to avoid contact with contaminants when removing contaminated clothing. Wear suitable gloves.

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

Inhalation	Harmful by inhalation. Symptoms following overexposure may include the following: General respiratory distress, unproductive cough. May cause respiratory system irritation.
Ingestion	This product is corrosive. May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	May cause sensitisation by skin contact.
Eye contact	Symptoms following overexposure may include the following: Pain or irritation. Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Toxic gases or vapours.
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5.3. Advice for firefighters

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Protective actions during firefighting	Evacuate area. Do not allow water to contact any leaked material.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.
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6.2. Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Control run-off water by containing and keeping it out of sewers and watercourses.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	For personal protection, see Section 8. Read label before use. Do not allow contact with water. Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10).
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7.3. Specific end use(s)

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

Occupational exposure limits

None of the ingredients are listed.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

Personal protection

Pregnant or breastfeeding women should not work with this product if there is any risk of exposure.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

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Hand protection	Wear protective gloves made of the following material: Rubber (natural, latex).
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Provide eyewash station. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellowish.
Odour	Amine.
Initial boiling point and range	135°C @ 760 mm Hg
Flash point	86°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.3 Vol % Upper flammable/explosive limit: 13.0 Vol %
Vapour pressure	0.3 hPa @ 20°C
Relative density	1.02 @ 23°C
Solubility(ies)	Immiscible with water.
Viscosity	600-1400 mPa s @ 25°C

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reacts with water. Alcohols. Alkalis. Amines.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Contact with water liberates toxic gas. Carbon dioxide (CO ₂).
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10.4. Conditions to avoid

Conditions to avoid	Contact with water liberates carbon dioxide causing an increase of pressure inside containers. This may result in containers exploding.
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10.5. Incompatible materials

Materials to avoid	Never add water to this product.
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10.6. Hazardous decomposition products

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Hazardous decomposition products Carbon dioxide (CO₂). Toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 606.06

Acute toxicity - dermal

ATE dermal (mg/kg) 5,500.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 12.69

Inhalation Harmful by inhalation. Symptoms following overexposure may include the following: General respiratory distress, unproductive cough. Upper respiratory irritation.

Ingestion Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact The product contains a sensitising substance. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Corrosive. Burns can occur.

Eye contact This product is strongly corrosive. Causes serious eye damage.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Not Classified for Environmental

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Disposal methods

For quantities up to 5 kg of Part A, mix with an equal amount of Part B. Heat will evolve from this mixture, so pour onto aggregate to increase surface area and allow to harden. Do not leave the mixture in the container for longer than 5 minutes. Where there is an excess of Part A or Part B that cannot be reacted off, this must be disposed of by a licensed waste disposal company in accordance with national guidelines. All containers must be properly labelled and a Safety data sheet provided for the waste disposal company.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

Dangerous Preparations Directive 1999/45/EC.
 Dangerous Substances Directive 67/548/EEC.
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
 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) (as amended).

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Guidance

www.echa.europa.eu
www.hse.gov.uk
 Supplier product information and safety data sheets.
 Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	sds@ronacrete.co.uk
Revision date	08/05/2015
Revision	1
SDS number	4665
Risk phrases in full	R10 Flammable. R20/22 Harmful by inhalation and if swallowed. R21/22 Harmful in contact with skin and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R36/38 Irritating to eyes and skin. R37 Irritating to respiratory system. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R52 Harmful to aquatic organisms. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 Possible risk of impaired fertility.
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H361f Suspected of damaging fertility. H412 Harmful to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.