



SAFETY DATA SHEET

RonaFloor Epoxy Floor Mortar Resin - Part B

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

1.1. Product identifier

Product name RonaFloor Epoxy Floor Mortar Resin - Part B

Product number PC097

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) [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) [ERC5] Industrial use resulting in inclusion into or onto a matrix. [AC4] Stone, plaster, cement, glass and ceramic articles. Adhesive. Sealant.

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 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) T; R23. Xn; R21/22. C; R34. N; R51/53. 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.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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.
 P273 Avoid release to the environment.
 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.
 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, 3-aminomethyl-3,5,5-trimethylcyclohexylamine, methylamine, nonylphenol

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		
nonylphenol		1-5%
CAS number: 25154-52-3	EC number: 246-672-0	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Repr. 2 - H361fd Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

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	Get medical attention immediately. Remove person to fresh air and keep comfortable for breathing. Show this Safety Data Sheet to the medical personnel.
Ingestion	Get medical attention immediately. Give plenty of water to drink. Do not induce vomiting. Show this Safety Data Sheet to the medical personnel.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist 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.

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

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Inhalation	Harmful if inhaled.
Ingestion	Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	May cause serious chemical burns to the skin. May cause sensitisation by skin contact.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Severe irritation, burning, tearing and blurred vision. Pain.

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	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Toxic gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	No action shall be taken without appropriate training or involving any personal risk.
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	Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.
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6.2. Environmental precautions

Environmental precautions	Dangerous for the environment if discharged into watercourses. Do not discharge into drains or watercourses or onto the ground.
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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. Place waste in labelled, sealed containers.
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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	Wear protective clothing as described in Section 8 of this safety data sheet.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place. Keep away from food, drink and animal feeding stuffs.
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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

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Wear chemical splash goggles.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.

Respiratory protection

For short term use it is recommended that breathing filter apparatus is worn containing combination filter AP-2. For longer term use full independent breathing apparatus should be worn.

Environmental exposure controls

Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

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	>200°C @ 760 mm Hg
Flash point	> 100°C
Relative density	1.05 @ 23°C
Solubility(ies)	Immiscible with water.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions Acids. Alkalies. Oxidising agents.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Acids. Alkalies.

10.6. Hazardous decomposition products

Hazardous decomposition products Toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) 3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS 2855-13-2 LD₅₀ 1030 mg/kg, Oral, Rat
Benzyl Alcohol CAS 100-51-6 LD₅₀ 1040 mg/kg, Oral, Mouse m-phenylenebis(methylamine) CAS 1477-55-0 LD₅₀ 930 mg/kg, Oral, Rat nonylphenol CAS 25154-52-3 LD₅₀ 200-2000 mg/kg, Oral, Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,964.29

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 8.26

Inhalation Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

Skin contact This product is corrosive. May cause serious chemical burns to the skin. The product contains a sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

Eye contact Causes serious eye damage.

SECTION 12: Ecological Information

Ecotoxicity Harmful to aquatic life.

12.1. Toxicity

Toxicity Information based on raw materials as detailed below.

Acute toxicity - aquatic invertebrates 3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS 2855-13-2
EC₅₀, 48 hours: 23 mg/l, Daphnia magna
m-phenylenebis(methylamine) CAS 1477-55-0
EC₅₀, 48 hours: 16 mg/l, Daphnia magna
nonylphenol CAS 25154-52-3
EC₅₀, 48 hours: <0.1 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

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12.3. Bioaccumulative potential

Bioaccumulative potential Immiscible with water.

12.4. Mobility in soil

Mobility Not known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods For small quantities, mix Part A and Part B together thoroughly in the correct proportions. After 7 days the mixture forms a non-hazardous solid for disposal by the appropriate method. Do not allow more than 1 Kg of the mixed material (Part A + Part B) as a reacting mass to remain in the container after mixing. The reaction between Part A and Part B is exothermic, with heat energy given out and a rapid rise in temperature. Pouring the reacting mass onto stone aggregate, or forming a shallow pool with a large surface area will allow the heat energy to dissipate to its surroundings. 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.

Waste class Dispose of in compliance with all local and national regulations. 08 01 wastes from MFSU and removal of paint and varnish. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. 08 02 99 wastes not otherwise specified.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2735
UN No. (IMDG) 2735
UN No. (ICAO) 2735
UN No. (ADN) 2735

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Proper shipping name (ICAO) AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Proper shipping name (ADN) AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)

14.3. Transport hazard class(es)

ADR/RID class 8
ADR/RID classification code C7

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ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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).
Guidance	www.echa.europa.eu
	www.hse.gov.uk
	Workplace Exposure Limits EH40.
	Supplier product information and safety data sheets.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Issued by	sds@ronacrete.co.uk
Revision date	28/04/2015
Revision	1
SDS number	4630
Risk phrases in full	R20/22 Harmful by inhalation and if swallowed. R21/22 Harmful in contact with skin and if swallowed. R22 Harmful if swallowed. R23 Toxic by inhalation. R34 Causes burns. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 Possible risk of impaired fertility. R63 Possible risk of harm to the unborn child.
Hazard statements in full	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H331 Toxic if inhaled. H332 Harmful if inhaled. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. 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.