



## SAFETY DATA SHEET

### RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

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

##### 1.1. Product identifier

**Product name** RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A  
**Product number** PC096

##### 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) [AC4] Stone, plaster, cement, glass and ceramic articles [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) Two-component, epoxy-based 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** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** Xi; R36/38. N; R51/53. R43

##### 2.2. Label elements

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

### Pictogram



### Signal word

Warning

### Hazard statements

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin 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.  
 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 medical advice 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.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with national regulations.

### Contains

reaction product: bisphenol-A-(epichlorhydrin), Epoxy resin, oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>reaction product: bisphenol-A-(epichlorhydrin)</b> CAS number: 25068-38-6                      EC number: 500-033-5	<b>30-60%</b>
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411	
<b>Epoxy resin</b> CAS number: 55492-52-9	<b>30-60%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

<b>oxirane, mono[(C12-14-alkyloxy)methyl] derivs.</b> <span style="float: right;"><b>5-10%</b></span>
CAS number: 68609-97-2                      EC number: 271-846-8
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317
<b>N-methyl-2-pyrrolidone</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 872-50-4                      EC number: 212-828-1
<b>Classification</b> STOT SE 3 - H335 Repr. 1B - H360D Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 STOT SE 3 - H335

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

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. May cause chemical burns in mouth and throat. Do not induce vomiting.
<b>Skin contact</b>	The product contains a sensitising substance. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	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

<b>Ingestion</b>	Burning sensation in mouth. Severe stomach pain.
<b>Skin contact</b>	May cause irritation. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Causes serious eye damage. A single exposure may cause the following adverse effects: Severe irritation, burning, tearing and blurred vision.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

**Hazardous combustion products** Toxic gases or vapours.

### 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 contact with skin, eyes and clothing.

### 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.

### 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.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

## 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.

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

**Storage precautions** Store in tightly-closed, original container in a dry and cool place.

### 7.3. Specific end use(s)

**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

#### Occupational exposure limits

#### N-methyl-2-pyrrolidone

Long-term exposure limit (8-hour TWA): WEL 103 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear chemical splash goggles.

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	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.
<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.
<b>Environmental exposure controls</b>	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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Mild.
<b>Initial boiling point and range</b>	200°C @ 760 mm Hg
<b>Flash point</b>	100°C
<b>Relative density</b>	1.12
<b>Solubility(ies)</b>	Insoluble in water.

#### 9.2. Other information

<b>Other information</b>	None.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	See Section 10.3 (Possibility of hazardous reactions) for further information.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	The following materials may react with the product: Alkalis. Acids. Amines. Strong oxidising agents.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong oxidising agents. Acids. Alkalis. Amines.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Toxic gases or vapours.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

<b>Inhalation</b>	May cause irritation.
<b>Ingestion</b>	May cause stomach pain or vomiting. May cause chemical burns in mouth, oesophagus and stomach.
<b>Skin contact</b>	The product contains a sensitising substance. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Repeated exposure may cause skin dryness or cracking. Use appropriate hand lotion to prevent defatting and cracking of skin.
<b>Eye contact</b>	This product is strongly irritating. Symptoms following overexposure may include the following: Severe irritation, burning and tearing. Redness. Pain.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

<b>Toxicity</b>	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
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#### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	The product is not readily biodegradable.
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#### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	Immiscible with water.
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#### 12.4. Mobility in soil

<b>Mobility</b>	Not known.
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#### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	No data available.
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#### 12.6. Other adverse effects

<b>Other adverse effects</b>	None known.
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>Disposal methods</b>	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.
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### SECTION 14: Transport information

#### 14.1. UN number

<b>UN No. (ADR/RID)</b>	3082
<b>UN No. (IMDG)</b>	3082
<b>UN No. (ICAO)</b>	3082
<b>UN No. (ADN)</b>	3082

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

### 14.3. Transport hazard class(es)

**ADR/RID class** 9

**ADR/RID classification code** M6

**ADR/RID label** 9

**IMDG class** 9

**ICAO class/division** 9

**ADN class** 9

#### 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**



### 14.6. Special precautions for user

**EmS** F-A, S-F

**ADR transport category** 3

**Emergency Action Code** •3Z

**Hazard Identification Number (ADR/RID)** 90

**Tunnel restriction code** (E)

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

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## RonaFloor Epoxy Floor Mortar Unpigmented Resin - Part A

### 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](http://www.echa.europa.eu)  
[www.hse.gov.uk](http://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.

### SECTION 16: Other information

**Issued by** sds@ronacrete.co.uk

**Revision date** 16/04/2015

**Revision** 1

**SDS number** 4627

**Risk phrases in full** R36/38 Irritating to eyes and skin.  
 R38 Irritating to skin.  
 R43 May cause sensitisation by skin contact.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Hazard statements in full** H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic 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.





**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**

## RonaFloor Epoxy Floor Mortar Resin - Part B

### 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

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

## RonaFloor Epoxy Floor Mortar Resin - Part B

<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>10-30%</b>
CAS number: 2855-13-2	EC number: 220-666-8
<b>Classification</b>	
Skin Corr. 1B - H314	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Sens. 1 - H317	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
<b>methylamine</b>	<b>10-30%</b>
CAS number: 1477-55-0	
<b>Classification</b>	
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	
<b>nonylphenol</b>	<b>1-5%</b>
CAS number: 25154-52-3	EC number: 246-672-0
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
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

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

## RonaFloor Epoxy Floor Mortar Resin - Part B

<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach.
<b>Skin contact</b>	May cause serious chemical burns to the skin. May cause sensitisation by skin contact.
<b>Eye contact</b>	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**

<b>Notes for the doctor</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Hazardous combustion products</b>	Toxic gases or vapours.
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### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	No action shall be taken without appropriate training or involving any personal risk.
<b>Special protective equipment for firefighters</b>	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**

<b>Personal precautions</b>	Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	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**

<b>Methods for cleaning up</b>	Absorb spillage with non-combustible, absorbent material. Place waste in labelled, sealed containers.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For waste disposal, see Section 13.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	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**

<b>Storage precautions</b>	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)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## RonaFloor Epoxy Floor Mortar Resin - Part B

### 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

## RonaFloor Epoxy Floor Mortar Resin - Part B

**Possibility of hazardous reactions** Acids. Alkalis. 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. Alkalis.

### 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 LD<sub>50</sub>)** 3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS 2855-13-2 LD<sub>50</sub> 1030 mg/kg, Oral, Rat  
Benzyl Alcohol CAS 100-51-6 LD<sub>50</sub> 1040 mg/kg, Oral, Mouse m-phenylenebis(methylamine) CAS 1477-55-0 LD<sub>50</sub> 930 mg/kg, Oral, Rat nonylphenol CAS 25154-52-3 LD<sub>50</sub> 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  
EC<sub>50</sub>, 48 hours: 23 mg/l, Daphnia magna  
m-phenylenebis(methylamine) CAS 1477-55-0  
EC<sub>50</sub>, 48 hours: 16 mg/l, Daphnia magna  
nonylphenol CAS 25154-52-3  
EC<sub>50</sub>, 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

## RonaFloor Epoxy Floor Mortar Resin - Part B

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

<b>EU legislation</b>	<p>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).</p>
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<b>Guidance</b>	<p><a href="http://www.echa.europa.eu">www.echa.europa.eu</a>  <a href="http://www.hse.gov.uk">www.hse.gov.uk</a>          Workplace Exposure Limits EH40.          Supplier product information and safety data sheets.</p>
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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



## RonaFloor Epoxy Floor Mortar Resin - Part B

### SECTION 16: Other information

<b>Issued by</b>	sds@ronacrete.co.uk
<b>Revision date</b>	28/04/2015
<b>Revision</b>	1
<b>SDS number</b>	4630
<b>Risk phrases in full</b>	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.
<b>Hazard statements in full</b>	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.