



Ronacrete

SAFETY DATA SHEET

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Product number PC610

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.

Uses advised against Non-trade users.

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, 8.00am - 5.00pm, Mon-Fri.

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 (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Muta. 2 - H341

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Signal word	Warning
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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. P308+P313 IF exposed or concerned: Get medical advice/ attention. 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. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.
Contains	reaction product: bisphenol-A-(epichlorhydrin), 2,3-epoxypropyl o-tolyl ether

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

reaction product: bisphenol-A-(epichlorhydrin)	25-100%
CAS number: 25068-38-6	EC number: 500-033-5
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
2,3-epoxypropyl o-tolyl ether	25-50%
CAS number: 2210-79-9	EC number: 218-645-3
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Muta. 2 - H341 Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Composition comments All percentages displayed expressed as weight/weight.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	May cause irritation to mucous membranes. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause an allergic skin reaction.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Do not give the patient anything orally. If unconscious, place them in a suitable position and seek medical assistance.
Ingestion	Get medical attention. Do not induce vomiting.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use an approved skin cleanser.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention.

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

General information	Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	Get medical attention if symptoms are severe or persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide or dry powder. Alcohol-resistant foam. Water spray.
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

Specific hazards	A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.
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5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Avoid the spillage or runoff entering drains, sewers or watercourses.
Special protective equipment for firefighters	Use special protective clothing. Wear a self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Consult the safety measures listed under headings 7 and 8.
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6.2. Environmental precautions

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Environmental precautions Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

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. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For personal protection, see section 8. Do not eat, drink or smoke when using this product. Keep the product in containers made of a material identical to the original.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Storage class E2

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

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

DNEL Epoxy resin:
Workers - Inhalation; Long term systemic effects: 12.25 mg/m³

8.2. Exposure controls

Protective equipment



Eye/face protection Chemical splash goggles and face shield. Before handling, wear safety goggles with protective sides accordance with standard EN166.

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Hand protection	Chemical resistant protective gloves (EN 374). Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): polyvinylchloride (PVC) - 0.7mm coating thickness, nitrile rubber (NBR) - 0.4mm coating thickness, chloroprene rubber (CR) - 0.5mm coating thickness, butyl rubber (butyl) - 0.7mm coating thickness, fluoroelastomer (FKM) - 0.7mm coating thickness. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturers' directions for use should be observed because of great diversity of types.
Other skin and body protection	Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Gas filter, type A2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light Yellow.
Odour	Light.
Odour threshold	Not applicable.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	220°C
Flash point	138°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	The product is not flammable.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	1 Pa @ °C
Vapour density	Not determined.
Relative density	1.15 g/cm ³
Bulk density	Not relevant.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable.

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Decomposition Temperature	Not applicable.
Viscosity	100-650 mPa s @ °C
Explosive properties	Not determined.
Explosive under the influence of a flame	Not determined.
Oxidising properties	Not determined.

9.2. Other information

Volatile organic compound	EU: (cat A/i): 140 g/l 2007. EU: (cat A/i): 140 g/l 2010. This product contains a maximum VOC content of 1.9 g/l.
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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

Possibility of hazardous reactions	In certain conditions this may cause a polymerization reaction.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat. High temperature. Store away from incompatible materials (see Section 10).
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10.5. Incompatible materials

Materials to avoid	Acids. Strong bases. Oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Aromatics.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	The low molecular weight epoxy components are irritants to the eyes, mucous membranes, and skin. Repeated contact with the skin can lead to its irritation or sensitisation, possibly with accentuated autosensitisation to other epoxies.
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Other health effects	Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage.
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Acute toxicity - oral

Summary	Not conclusive data for classification.
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Acute toxicity - dermal

Summary	Not conclusive data for classification.
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Acute toxicity - inhalation

Summary	Not conclusive data for classification.
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Skin corrosion/irritation

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Skin corrosion/irritation	Skin Irrit. 2
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Eye Irrit. 2
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not conclusive data for classification.
<u>Skin sensitisation</u>	
Skin sensitisation	Skin Sens. 1
<u>Germ cell mutagenicity</u>	
Summary	Muta. Cat. 2
<u>Carcinogenicity</u>	
Carcinogenicity	Not conclusive data for classification.
<u>Reproductive toxicity</u>	
Summary	Not conclusive data for classification.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not conclusive data for classification.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not conclusive data for classification.
<u>Aspiration hazard</u>	
Aspiration hazard	Not conclusive data for classification.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity No toxicological data available for the substances.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential Data lacking.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility No data available.

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 Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Avoid discharge into drains or watercourses or onto the ground.

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Disposal methods Dispose of contents/container in accordance with local regulations. Dispose of contents/container in accordance with national regulations. Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) UN 3082
 UN No. (IMDG) UN 3082
 UN No. (ICAO) UN 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT \leq 700), REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) / 2,3-EPOXYPROPYL O-TOLYL ETHER), 9, PG III, (E)

Proper shipping name (IMDG) UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT \leq 700), REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) / 2,3-EPOXYPROPYL O-TOLYL ETHER), 9, PG III, MARINE POLLUTANT

Proper shipping name (ICAO) UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT \leq 700), REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) / 2,3-EPOXYPROPYL O-TOLYL ETHER), 9, PG III

14.3. Transport hazard class(es)

ADR/RID class 9
 IMDG class 9
 ICAO class/division 9

14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Other dangerous substances (class 9) (white background with seven black vertical stripes in upper half). Local transport follows in accordance with Dangerous goods Safety Management Law.

EmS FIRE SCHEDULE : F-A (General fire schedule) SPILLAGE SCHEDULE : S-F (Water-soluble marine pollutants)

ADR transport category 5 L

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Hazard Identification Number 90
(ADR/RID)

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

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

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	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). Commission Regulation (EU) No 2015/830 of 28 May 2015. 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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). EC ₅₀ : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Aquatic Chronic = Hazardous to the aquatic environment (chronic) Eye Irrit. = Eye irritation Muta. = Germ cell mutagenicity Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation
General information	The safety data sheet was prepared in accordance with directive 2001/58/EC.
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/

RonaFloor Anti-Bacterial Coating (Pigmented) - Part A

Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	This is the first issue.
Issued by	sds@ronacrete.co.uk
Revision date	16/02/2021
Revision	1
SDS number	4928
SDS status	Approved.
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H341 Suspected of causing genetic defects. 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 Anti-Bacterial Coating (Pigmented) - Part B

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name RonaFloor Anti-Bacterial Coating (Pigmented) - Part B

Product number PC610

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.

Uses advised against Non-trade users.

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, 8.00am - 5.00pm, Mon-Fri.

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 (EC 1272/2008)

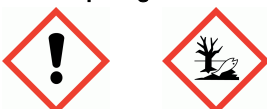
Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



RonaFloor Anti-Bacterial Coating (Pigmented) - Part B

Signal word	Warning
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. 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. 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 CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation 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. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Polyamine Polymer Solution

2.3. Other hazards

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Polyamine Polymer Solution	20-25%
CAS number: —	
Classification	
Skin Irrit. 2 - H315	
STOT SE 3 - H335	

RonaFloor Anti-Bacterial Coating (Pigmented) - Part B

Pyrithione zinc	1-3%
CAS number: 13463-41-7	EC number: 236-671-3
	REACH registration number: 01-2119511196-46-XXXX
M factor (Acute) = 1000	M factor (Chronic) = 10
Classification	
Acute Tox. 3 - H301	
Acute Tox. 3 - H331	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
N-methyl-2-pyrrolidone	0-5%
CAS number: 872-50-4	EC number: 212-828-1
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Repr. 1B - H360D	
STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

Composition comments All percentages displayed expressed as weight/weight.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	May cause irritation to mucous membranes. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause an allergic skin reaction.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Do not give the patient anything orally. If unconscious, place them in a suitable position and seek medical assistance.
Ingestion	Get medical attention. Do not induce vomiting.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use an approved skin cleanser.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention.

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

General information	Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	Get medical attention if symptoms are severe or persist.

SECTION 5: Firefighting measures

RonaFloor Anti-Bacterial Coating (Pigmented) - Part B

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide or dry powder. Alcohol-resistant foam. Water spray.

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

Specific hazards A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3. Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Avoid the spillage or runoff entering drains, sewers or watercourses.

Special protective equipment for firefighters Use special protective clothing. Wear a self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Consult the safety measures listed under headings 7 and 8.

6.2. Environmental precautions

Environmental precautions Avoid 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. Collect and place in suitable waste disposal containers and seal securely. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For personal protection, see section 8. Do not eat, drink or smoke when using this product. Keep the product in containers made of a material identical to the original.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

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

RonaFloor Anti-Bacterial Coating (Pigmented) - Part B

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2. Exposure controls

Protective equipment



Eye/face protection

Chemical splash goggles and face shield. Before handling, wear safety goggles with protective sides accordance with standard EN166.

Hand protection

Chemical resistant protective gloves (EN 374). Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): polyvinylchloride (PVC) - 0.7mm coating thickness, nitrile rubber (NBR) - 0.4mm coating thickness, chloroprene rubber (CR) - 0.5mm coating thickness, butyl rubber (butyl) - 0.7mm coating thickness, fluoroelastomer (FKM) - 0.7mm coating thickness. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturers directions for use should be observed because of great diversity of types.

Other skin and body protection

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.

Hygiene measures

Do not eat, drink or smoke when using this product.

Respiratory protection

Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Gas filter, type A2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Variable
Odour	Amine.
Odour threshold	Not applicable.
pH	pH (concentrated solution): >7
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	The product is not flammable.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.

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Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.3 g/cm ³
Bulk density	Not relevant.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	1000-2000 mPa s @ °C
Explosive properties	Not determined.
Explosive under the influence of a flame	Not determined.
Oxidising properties	Not determined.

9.2. Other information

Volatile organic compound	EU: (cat A/i): 140 g/l 2007. EU: (cat A/i): 140 g/l 2010. This product contains a maximum VOC content of 24 g/l.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No hazardous reactions when stored and handled according to instructions.
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10.2. Chemical stability

Stability	This mixture is stable under the recommended handling and storage conditions in section 7.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The product does not present possibility of hazardous reactions.
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10.4. Conditions to avoid

Conditions to avoid	Avoid any improper handling.
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10.5. Incompatible materials

Materials to avoid	Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No decomposition if stored and applied as directed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No data recorded.
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Acute toxicity - oral

ATE oral (mg/kg)	10,000.0
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Acute toxicity - inhalation

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ATE inhalation (dusts/mists mg/l)	50.0
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Skin Irrit. 2
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Eye Irrit. 2
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not conclusive data for classification.
<u>Skin sensitisation</u>	
Skin sensitisation	Not conclusive data for classification.
<u>Germ cell mutagenicity</u>	
Summary	Not conclusive data for classification.
<u>Carcinogenicity</u>	
Carcinogenicity	Not conclusive data for classification.
<u>Reproductive toxicity</u>	
Summary	Not conclusive data for classification.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	STOT SE 3
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not conclusive data for classification.
<u>Aspiration hazard</u>	
Aspiration hazard	Not conclusive data for classification.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity No toxicological data available for the substances.

Acute aquatic toxicity

Summary Aquatic Acute 1

Chronic aquatic toxicity

Summary Aquatic Chronic 2

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available.

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12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Avoid discharge into drains or watercourses or onto the ground.

Disposal methods Dispose of contents/container in accordance with local regulations. Dispose of contents/container in accordance with national regulations. Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: Transport information

General The product is not classified as dangerous for carriage.

14.1. UN number

UN No. (ADR/RID) The product is not classified as dangerous for carriage.

UN No. (IMDG) The product is not classified as dangerous for carriage.

UN No. (ICAO) The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

Proper shipping name (ADR/RID) The product is not classified as dangerous for carriage.

Proper shipping name (IMDG) The product is not classified as dangerous for carriage.

Proper shipping name (ICAO) The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

ADR/RID class The product is not classified as dangerous for carriage.

IMDG class The product is not classified as dangerous for carriage.

ICAO class/division The product is not classified as dangerous for carriage.

14.4. Packing group

ADR/RID packing group The product is not classified as dangerous for carriage.

IMDG packing group The product is not classified as dangerous for carriage.

ICAO packing group The product is not classified as dangerous for carriage.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

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 and the IBC Code

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

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National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	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). Commission Regulation (EU) No 2015/830 of 28 May 2015. 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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). EC ₅₀ : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Skin Irrit. = Skin irritation Eye Irrit. = Eye irritation Acute Tox. = Acute toxicity STOT SE = Specific target organ toxicity-single exposure Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic)
General information	The safety data sheet was prepared in accordance with directive 2001/58/EC.
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	This is the first issue.
Issued by	sds@ronacrete.co.uk
Revision date	16/02/2021
Revision	1
SDS number	4929

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SDS status

Approved.

Hazard statements in full

H301 Toxic if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H360D May damage the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
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.