



SAFETY DATA SHEET

RonaDeck Ultra Bound Surfacing Resin - 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 RonaDeck Ultra Bound Surfacing Resin - Part A

Product number PC607

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. [SU19] Building and construction work. [AC4] Stone, plaster, cement, glass and ceramic articles. Adhesive. Sealant.

Uses advised against Use only for intended applications.

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 Not Classified

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements EUH208 Contains Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.
 H412 Harmful to aquatic life with long lasting effects.

RonaDeck Ultra Bound Surfacing Resin - Part A

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains Dibutyltin dilaurate., Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, Dibutyltin dilaurate., Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Polyester Resin			10-30%
CAS number: Proprietary	EC number: Proprietary	REACH registration number: Proprietary	
Classification			
Not Classified			
n-butyl-2-(1-ethylpentyl)-1,3-oxazolidine			5-10%
CAS number: 165101-57-5	EC number: 425-660-0	REACH registration number: 01-0000017206-75-XXXX	
Classification			
Aquatic Chronic 2 - H411			
2-methoxy-1-methylethyl acetate			<1%
CAS number: 108-65-6	EC number: 203-603-9		
Classification			
Flam. Liq. 3 - H226			
n-butyl acetate			<1%
CAS number: 123-86-4	EC number: 204-658-1		
Classification			
Flam. Liq. 3 - H226			
STOT SE 3 - H336			

RonaDeck Ultra Bound Surfacing Resin - Part A

Dibutyltin dilaurate	<1%
CAS number: 77-58-7	EC number: 201-039-8
	REACH registration number: 01-2119496068-27-XXXX
M factor (Chronic) = 1	
Classification	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	
Skin Sens. 1B - H317	
Muta. 2 - H341	
Repr. 1B - H360FD	
STOT SE 1 - H370	
STOT RE 1 - H372	
Aquatic Chronic 1 - H410	
A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates	<1%
CAS number: 127519-17-9	EC number: 407-000-3
Classification	
Aquatic Chronic 2 - H411	
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	<1%
CAS number: 1065336-91-5	EC number: 915-687-0
	REACH registration number: 01-2119491304-40-0008
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Skin Sens. 1A - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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

Composition comments All percentages displayed expressed as weight/weight. The product contains a small amount of sensitising substance.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Do not induce vomiting. Get medical attention. 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.

RonaDeck Ultra Bound Surfacing Resin - Part A

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 and get medical attention.

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

Skin contact May cause sensitisation by skin contact.

Eye contact May cause eye irritation. Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

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 In combustion emits toxic fumes.

Hazardous combustion products Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions during firefighting Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not allow product to reach sewage system or any water course. Prevent from spreading (e.g. by damming-in or oil barriers).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Large spills should be collected mechanically (remove by pumping) for disposal. Small spill: Absorb with liquid binding material and shovel up.

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 Provide adequate ventilation. Avoid contact with skin and eyes. Wash hands thoroughly after handling. 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 a demarcated bunded area to prevent release to drains and/or watercourses. Store in a cool and well-ventilated place. Keep container tightly closed and at temperature not exceeding 30°C.

7.3. Specific end use(s)

RonaDeck Ultra Bound Surfacing Resin - Part A

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

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA): WEL 274 mg/m³

Short-term exposure limit (15-minute): WEL 548 mg/m³

n-butyl acetate

Long-term exposure limit (8-hour TWA): WEL 724 mg/m³

Short-term exposure limit (15-minute): WEL 966 mg/m³

Dibutyltin dilaurate

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

Short-term exposure limit (15-minute): WEL 0.2 mg/m³

A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates

No occupational exposure limits known.

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

No occupational exposure limits known.

WEL = Workplace Exposure Limit.

Polyester Resin

Ingredient comments

The lists valid during the making were used as basis.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

Eye/face protection

Wear chemical splash goggles.

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 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 immediately all contaminated clothing and wash it before reuse.

RonaDeck Ultra Bound Surfacing Resin - Part A

Respiratory protection	Use only in well-ventilated areas. If ventilation is inadequate, suitable respiratory protection must be worn. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405.
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	Clear liquid.
Colour	Yellowish.
Odour	Mild.
Odour threshold	Not available.
pH	No information available.
Melting point	No information available.
Relative density	0.9-1.0 @ 20°C
Solubility(ies)	Slightly soluble in water.
Viscosity	1925 mPa s @ 20°C

9.2. Other information

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	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Water, moisture.
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10.6. Hazardous decomposition products

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

11.1. Information on toxicological effects

Acute toxicity - oral

Summary	No data available.
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Acute toxicity - dermal

Summary	No data available.
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RonaDeck Ultra Bound Surfacing Resin - Part A

Acute toxicity - inhalation

Summary No data available.

Skin corrosion/irritation

Summary No data available.

Serious eye damage/irritation

Summary No data available.

Respiratory sensitisation

Summary May cause sensitization by inhalation. The product has not been tested. The statement has been derived from the properties of the individual components.

Skin sensitisation

Skin sensitisation May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Summary No data available.

Carcinogenicity

Summary No data available.

Reproductive toxicity

Summary No data available.

Specific target organ toxicity - single exposure

Summary No data available.

Specific target organ toxicity - repeated exposure

Summary No data available.

Aspiration hazard

Summary No data available.

Skin contact 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.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity No toxicological data available for the substances.

Acute aquatic toxicity

Summary No further relevant information available.

Chronic aquatic toxicity

Summary Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No data available.

RonaDeck Ultra Bound Surfacing Resin - Part A

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfil the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative). Self classification.

12.6. Other adverse effects

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of 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

RonaDeck Ultra Bound Surfacing Resin - Part A

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). Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC.
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.

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. 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 Sens. = Skin sensitisation Acute Tox. = Acute toxicity Aquatic Chronic = Hazardous to the aquatic environment (chronic) WEL = Workplace Exposure Limit.
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	27/01/2021
Revision	1

RonaDeck Ultra Bound Surfacing Resin - Part A

SDS number	4919
Hazard statements in full	<p>H226 Flammable liquid and vapour.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H341 Suspected of causing genetic defects.</p> <p>H360FD May damage fertility. May damage the unborn child.</p> <p>H370 Causes damage to organs .</p> <p>H372 Causes damage to organs through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.</p>

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

RonaDeck Ultra Bound Surfacing Resin - 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	RonaDeck Ultra Bound Surfacing Resin - Part B
Product number	PC607
REACH registration number	01-2119485796-17-XXXX
CAS number	28182-81-2
EC number	931-274-8

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

Identified uses	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen) [ERC5] Industrial use resulting in inclusion into or onto a matrix [AC4] Stone, plaster, cement, glass and ceramic articles. [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) Adhesive. Sealer.
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
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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	Acute Tox. 4 - H332 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards	Not Classified

RonaDeck Ultra Bound Surfacing Resin - Part B

2.2. Label elements

EC number 931-274-8

Hazard pictograms



Signal word Warning

Hazard statements
 H332 Harmful if inhaled.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.

Precautionary statements
 P261 Avoid breathing vapour/ spray.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTRE/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.
 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 Hexamethylene diisocyanate oligomers, Isocyanurate, hexamethylene-di-isocyanate

2.3. Other hazards

Reacts with water.

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hexamethylene diisocyanate oligomers, Isocyanurate	60-100%
CAS number: 28182-81-2	REACH registration number: 01-2119485796-17-XXXX
Classification	
Acute Tox. 4 - H332	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

RonaDeck Ultra Bound Surfacing Resin - Part B

hexamethylene-di-isocyanate	<1%
CAS number: 822-06-0	EC number: 212-485-8
Classification Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

Inhalation	A single exposure may cause the following adverse effects: General respiratory distress, unproductive cough. May cause respiratory system irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause sensitisation by skin contact.
Eye contact	Symptoms following overexposure may include the following: Pain or irritation. Prolonged contact may cause redness and/or tearing.

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

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

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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

RonaDeck Ultra Bound Surfacing Resin - Part B

Protective actions during firefighting Evacuate area. Do not allow water to contact any leaked material.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

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

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 For personal protection, see Section 8. Read label before use. Do not allow contact with water. Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

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

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

Hexamethylene diisocyanate oligomers, Isocyanurate

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m³ as -NCO

Short-term exposure limit (15-minute): WEL 0.07 mg/m³ as -NCO

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

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

Eye/face protection

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

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Colourless to pale yellow liquid.
Odour	No characteristic odour.
Melting point	< -20°C
Initial boiling point and range	>220°C @ 1.33 hPa
Flash point	137°C
Relative density	1.16 @ 25°C
Viscosity	2400 mPa s @ 25°C

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

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

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

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

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

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

Hazardous decomposition products	Carbon dioxide (CO ₂). Toxic gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

RonaDeck Ultra Bound Surfacing Resin - Part B

ATE inhalation (vapours mg/l) 1,507.54

ATE inhalation (dusts/mists mg/l) 1.5

Inhalation Harmful by inhalation. A single exposure may cause the following adverse effects: General respiratory distress, unproductive cough. Upper respiratory irritation.

Ingestion The product is considered to be a low hazard under normal conditions of use. Get medical attention if a large quantity has been ingested.

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

Eye contact May cause eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product components are not classified as environmentally hazardous.

Acute aquatic toxicity

Summary No data available.

Chronic aquatic toxicity

Summary No data available.

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

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

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.

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC₅₀: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity</p> <p>Eye Irrit. = Eye irritation</p> <p>Resp. Sens. = Respiratory sensitisation</p> <p>Skin Irrit. = Skin irritation</p> <p>Skin Sens. = Skin sensitisation</p> <p>STOT SE = Specific target organ toxicity-single exposure</p>
General information	Only trained personnel should use this material.
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	27/01/2021
Revision	1
SDS number	4920
SDS status	Approved.
Hazard statements in full	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H331 Toxic if inhaled.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p>

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.