

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name	RonaDeck Soft Feel Pool Surround - Part A
Product number	PC533
1.2. Relevant identified uses of	of the substance or mixture and uses advised against
Identified uses	[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) [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Adhesive. Sealant.
1.3. Details of the supplier of t	he 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 nul	mber
Emergency telephone	+44 (0) 1279 638700
National emergency telephone number	e UK Consumers NHS 111. Medical professionals - www.toxbase.org
SECTION 2: Hazards identific	ation
2.1. Classification of the subst	ance or mixture
Classification Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412
2.2. Label elements Pictogram	
Signal word	Danger

Hazard statements	H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting	g effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective gloves/protective cloth P305+P351+P338 IF IN EYES: Rinse cautio contact lenses, if present and easy to do. Co P310 Immediately call a POISON CENTER/o P501 Dispose of contents/container in accor	ously with water for several minutes. Remove ontinue rinsing. doctor.
Contains	2-phenoxypropanol	
2.3. Other hazards		
None known.		
SECTION 3: Composition/info	ormation on ingredients	
3.2. Mixtures		
1-phenoxy propan-2-ol		10-30%
CAS number: 770-35-4	EC number: 212-222-7	
Classification Eye Irrit. 2 - H319		
n-butyl-2-(1-ethylpentyl)-1,3-	oxazolidine	1-5%
CAS number: 165101-57-5	EC number: 425-660-0	REACH registration number: 01- 0000017206-75-XXXX
Classification Aquatic Chronic 2 - H411		
2-phenoxypropanol		1-5%
CAS number: 4169-04-4		
Classification Eye Dam. 1 - H318		
2-methoxy-1-methylethyl acc	etate	<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 STOT SE 3 - H336		

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

SECTION 4: First aid measure	
4.1. Description of first aid mea	
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.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention.
4.2. Most important symptoms	and effects, both acute and delayed
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause irritation.
Eye contact	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 immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fro	om the substance or mixture
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, pro	tective equipment and emergency procedures
Personal precautions	Avoid contact with skin, eyes and clothing.
6.2. Environmental precaution	S
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	

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

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.
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	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.
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 Che	mical Properties

9.1. Information on basic physical and chemical properties

Yellow.

Appearance	Liquid.
rippourunioo	Elquiu.

Colour

Odour	Mild.
Initial boiling point and range	260 - 300°C @ 1.33 hPa
Relative density	0.9 - 1.0 @ 20°C
9.2. Other information	
Other information	None.
SECTION 10: Stability and rea	activity
10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	None known.
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.
10.6. Hazardous decomposition	on products
Hazardous decomposition products	Carbon dioxide (CO2). Carbon monoxide (CO).
SECTION 11: Toxicological in	formation
11.1. Information on toxicolog	ical effects
Inhalation	May cause irritation.
Ingestion	May cause stomach pain or vomiting. Get medical attention if a large quantity has been ingested.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Risk of serious damage to eyes. Dust or splashes from the mixture may cause permanent eye damage.
SECTION 12: Ecological Infor	mation
12.1. Toxicity	
Toxicity	Harmful to aquatic life with long lasting effects.
12.2. Persistence and degrada	ability
Persistence and degradability	The degradability of the product is not known.
12.3. Bioaccumulative potentia	al
Bioaccumulative potential	Immiscible with water.
10.4 Mability in soil	

12.4. Mobility in soil

Mobility	Not known.
12.5. Results of PBT and vPvE	3 assessment
Results of PBT and vPvB assessment	No data available.
12.6. Other adverse effects	
Other adverse effects	None known.
SECTION 13: Disposal consid	erations
13.1. Waste treatment method	S
Disposal methods	For quantities up to 5 kg of Part A, mix with an equal amount of Part B. Heat will evolve from this mixture, so pour onto aggregate to increase surface area and allow to harden. Do not leave the mixture in the container for longer than 5 minutes. Where there is an excess of Part A or Part
	B that cannot be reacted off, this must be disposed of by a licensed waste disposal company in accordance with national guidelines. All containers must be properly labelled and a Safety data sheet provided for the waste disposal company.

SECTION 14: Transport information

General

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

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

SECTION 15: Regulatory information

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

EU legislation	 Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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

Issued by	sds@ronacrete.co.uk
Revision date	09/04/2015
Revision	1
SDS number	4616
Hazard statements in full	H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 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.



SECTION 1: Identification of the	ne substance/mixture and of the company/undertaking	
1.1. Product identifier		
Product name	RonaDeck Soft Feel Pool Surround - Part B	
Product number	PC521	
1.2. Relevant identified uses o	f 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.	
1.3. Details of the supplier of the	he 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 nur	nber	
Emergency telephone	+44 (0) 1279 638700	
National emergency telephone number	UK Consumers NHS 111. Medical professionals - www.toxbase.org	
SECTION 2: Hazards identifica	ation	
2.1. Classification of the substa	ance or mixture	
Classification		
Physical hazards	Not Classified	
Health hazards	Acute Tox. 4 - H332 Elicitation - EUH208 Skin Sens. 1 - H317 STOT SE 3 - H335 STOT SE 3 - H335	
Environmental hazards	Not Classified	
Classification (67/548/EEC or 1999/45/EC)	Xn; R20. Xi; R37. R43	
2.2. Label elements		

Pictogram



Signal word	Warning
Hazard statements	H317 May cause an allergic skin reaction. H332 Harmful if inhaled. 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 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. 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

3.2. Mixtures

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

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RonaDeck Soft Feel Pool Surround - 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		
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		
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 immedia	te medical attention and special treatment needed	
Notes for the doctor	Treat symptomatically.	
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.	

5.3. Advice for firefighters	
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	se measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.
6.2. Environmental precaution	s
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 section	ns
Reference to other sections	For waste disposal, see Section 13.
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	ling
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 storag	e, 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 Contro	Is/personal protection
8.1. Control parameters Occupational exposure limits Hexamethylene diisocyanate o	oligomers, Isocyanurate
Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m ³ as -NCO Short-term exposure limit (15-minute): WEL 0.07 mg/m ³ as -NCO WEL = Workplace Exposure Limit	
8.2. Exposure controls	
Protective equipment	
Appropriate engineering	Observe any occupational exposure limits for the product or ingredients. Respiratory

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.
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

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9.1. Information on basic phys	sical 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.
SECTION 10: Stability and rea	activity
10.1. Reactivity	
Reactivity	Reacts with water. Alcohols. Alkalis. Amines.
10.2. Chemical stability	
Stability	Stable under the prescribed storage conditions.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Contact with water liberates toxic gas. Carbon dioxide (CO2).
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.
10.5. Incompatible materials	
Materials to avoid	Never add water to this product.
10.6. Hazardous decomposition products	
Hazardous decomposition products	Carbon dioxide (CO2). Toxic gases or vapours.
SECTION 11: Toxicological in	formation

11.1. Information on toxicological effects

The monitorination of toxicologic	
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	1,507.53768844
ATE inhalation (dusts/mists mg/l)	1.50314157
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 Inform	nation
12.1. Toxicity	
Toxicity	The product components are not classified as environmentally hazardous.
12.2. Persistence and degrada	ıbility
Persistence and degradability	The product is not readily biodegradable.
12.3. Bioaccumulative potentia	
12.4. Mobility in soil	
Mobility	No information available.
12.5. Results of PBT and vPvE	3 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 consid	erations
13.1. Waste treatment method	<u>s</u>
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.

sheet provided for the waste disposal company.

SECTION 14: Transport information

General

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

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

SECTION 15: Regulatory information

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

EU legislation	Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	www.echa.europa.eu www.hse.gov.uk Supplier product information and safety data sheets. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	sds@ronacrete.co.uk
Revision date	09/04/2015
Revision	1
SDS number	4609

Risk phrases in full	R20 Harmful by inhalation.
	R23 Toxic by inhalation.
	R36/37/38 Irritating to eyes, respiratory system and skin.
	R37 Irritating to respiratory system.
	R42/43 May cause sensitisation by inhalation and skin contact.
	R43 May cause sensitisation by skin contact.
Hazard statements in full	EUH208 Contains hexamethylene-di-isocyanate. May produce an allergic reaction.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H319 Causes serious eye irritation.
	H331 Toxic if inhaled.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.

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.