# Ronactete SAFETY DATA SHEET

RonaFloor Stone Carpet - Part A

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

1.1. Product identifier

Product name RonaFloor Stone Carpet - Part A

Product number PC502

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

#### 1.3. Details of the supplier of the safety data sheet

Supplier	Ronacrete Limited Ronac House Flex Meadow Harlow Essex CM19 5TD www.ronacrete.co.uk Tel: 01279 638 700
	www.ronacrete.co.uk
	Tel: 01279 638 700
	Fax: 01279 638 701
	email: sds@ronacrete.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1279 638700

National emergency telephone UK Consumers NHS 111. Medical professionals - www.toxbase.org number

**SECTION 2: Hazards identification** 

2.1. Classification of the substance or mixture		
Classification		
Physical hazards	Not Classified	
Health hazards	Elicitation - EUH208	
Environmental hazards	Aquatic Chronic 3 - H412	
Classification (67/548/EEC or 1999/45/EC)	R52/53	
2.2. Label elements		
Hazard statements	EUH208 Contains Dibutylin dilaurate. May produce an allergic reaction. H412 Harmful to aquatic life with long lasting effects.	

Precautionary statements	P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with national regulations. P202 Do not handle until all safety precautions have been read and understood. P270 Do not eat, drink or smoke when using this product.	
2.3. Other hazards		
None known.		
SECTION 3: Composition/info	ormation on ingredients	
3.2. Mixtures		
n-butyl-2-(1-ethylpentyl)-1,3-	-oxazolidine	1-5%
CAS number: 165101-57-5	EC number: 425-660-0 REACH registration number: 07 0000017206-75-XXXX	-
<b>Classification</b> Aquatic Chronic 2 - H411		
Dibutylin dilaurate		<1%
CAS number: 77-58-7	EC number: 201-039-8 REACH registration number: 07 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		
2-methoxy-1-methylethyl ac	etate	<1%
CAS number: 108-65-6	EC number: 203-603-9	
<b>Classification</b> Flam. Liq. 3 - H226		
n-butyl acetate		<1%
CAS number: 123-86-4	EC number: 204-658-1	
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336 STOT SE 3 - H336		
The Full Text for all R-Phrase	es 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. 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		
Skin contact	May cause sensitisation by skin contact.		
Eye contact	May irritate eyes. 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 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 releas	e measures		
6.1. Personal precautions, pro	tective equipment and emergency procedures		
Personal precautions	Avoid contact with skin, eyes and clothing.		
6.2. Environmental precaution	<u>s</u>		
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	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 section	ns		
Reference to other sections	For waste disposal, see Section 13.		
SECTION 7: Handling and sto	rage		

#### 7.1. Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

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

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

#### 7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

#### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

#### Occupational exposure limits

#### Dibutylin dilaurate

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 0.2 mg/m<sup>3</sup>

#### 2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA): WEL 274 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 548 mg/m<sup>3</sup>

#### n-butyl acetate

Long-term exposure limit (8-hour TWA): WEL 724 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 966 mg/m<sup>3</sup> WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

#### Protective equipment



Appropriate engineering controls	Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Wear chemical splash goggles.
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	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 C	hemical Properties

## 9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Yellow.
Odour	Mild.
Initial boiling point and range	260-300°C @ 101325 Pa

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	
11.1. Information on toxicolog	ical effects 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.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Information	ical effects 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.
11.1. Information on toxicolog Skin contact	ical effects 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.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity	ical effects 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. mation Harmful to aquatic life with long lasting effects.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad	ical effects 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. mation Harmful to aquatic life with long lasting effects.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad	ical effects 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. mation Harmful to aquatic life with long lasting effects. ability The degradability of the product is not known.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad         Persistence and degradability	ical effects 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. mation Harmful to aquatic life with long lasting effects. ability The degradability of the product is not known.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad         Persistence and degradability         12.3. Bioaccumulative potential	ical effects 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. mation Harmful to aquatic life with long lasting effects. ability The degradability of the product is not known. al
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad         Persistence and degradability         12.3. Bioaccumulative potential	ical effects 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. mation Harmful to aquatic life with long lasting effects. ability The degradability of the product is not known. al
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad         Persistence and degradability         12.3. Bioaccumulative potential         Bioaccumulative potential         12.4. Mobility in soil	ical effects 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. mation Harmful to aquatic life with long lasting effects. ability The degradability of the product is not known. al Immiscible with water. Not known.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad         Persistence and degradability         12.3. Bioaccumulative potential         Bioaccumulative potential         12.4. Mobility in soil         Mobility	ical effects 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. mation Harmful to aquatic life with long lasting effects. ability The degradability of the product is not known. al Immiscible with water. Not known.
11.1. Information on toxicolog         Skin contact         SECTION 12: Ecological Infor         12.1. Toxicity         Toxicity         12.2. Persistence and degrad         Persistence and degradability         12.3. Bioaccumulative potential         Bioaccumulative potential         12.4. Mobility in soil         Mobility         12.5. Results of PBT and vPv         Results of PBT and vPvB	ical effects         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.         mation         Harmful to aquatic life with long lasting effects.         ability         The degradability of the product is not known.         al         Immiscible with water.         Not known.         B assessment

#### SECTION 13: Disposal considerations

13.1. Waste treatment m	ethods
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

#### 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 legislationDangerous Preparations Directive 1999/45/EC.<br/>Dangerous Substances Directive 67/548/EEC.<br/>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16<br/>December 2008 on classification, labelling and packaging of substances and mixtures (as<br/>amended).<br/>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18<br/>December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of<br/>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	02/02/2016
Revision	1
SDS number	4845
Hazard statements in full	<ul> <li>EUH208 Contains Dibutylin dilaurate. May produce an allergic reaction.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H318 Causes serious eye damage.</li> <li>H341 Suspected of causing genetic defects.</li> <li>H360FD May damage fertility. May damage the unborn child.</li> <li>H370 Causes damage to organs .</li> <li>H372 Causes damage to organs through prolonged or repeated exposure.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>

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.

# Ronactete SAFETY DATA SHEET

RonaFloor Stone Carpet - Part B

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product name	RonaFloor Stone Carpet - Part B	
Product number	PC502	
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 supplier of the supplier of the supplier of the supplication of the su	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 UK Consumers NHS 111. Medical professionals - www.toxbase.org number		
SECTION 2: Hazards identifica	ation	
2.1. Classification of the subst	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	<ul> <li>P261 Avoid breathing vapour/spray.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P272 Contaminated work clothing should not be allowed out of the workplace.</li> <li>P280 Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P302+P352 IF ON SKIN: Wash with plenty of water.</li> <li>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P312 Call a POISON CENTER/doctor if you feel unwell.</li> <li>P321 Specific treatment (see medical advice on this label).</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> <li>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</li> <li>P405 Store locked up.</li> <li>P501 Dispose of contents/container in accordance with national regulations.</li> </ul>
Contains	Hexamethylene diisocyanate oligomers, Isocyanurate, hexamethylene-di-isocyanate

#### 2.3. Other hazards

Reacts with water.

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Г

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		

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 measure	95	
4.1. Description of first aid mea	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.	
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	e 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	<u>s</u>
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 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/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.

Hand protectionWear protective gloves made of the following material: Rubber (natural, latex).Other skin and body protectionWear appropriate clothing to prevent any possibility of skin contact.Hygiene measuresProvide 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 protectionRespirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.Environmental exposure controlsKeep container tightly sealed when not in use.		
Other skin and body protectionWear appropriate clothing to prevent any possibility of skin contact.Hygiene measuresProvide 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 protectionRespirator selection must be based on exposure levels, the hazards of the product and the	I	Keep container tightly sealed when not in use.
Other skin and body protectionWear appropriate clothing to prevent any possibility of skin contact.Hygiene measuresProvide eyewash station. Do not eat, drink or smoke when using this product. Wash at the	Respiratory protection	
Other skin and body         Wear appropriate clothing to prevent any possibility of skin contact.	Hygiene measures	
Hand protection Wear protective gloves made of the following material: Rubber (natural, latex).	•	Wear appropriate clothing to prevent any possibility of skin contact.
	Hand protection	Wear protective gloves made of the following material: Rubber (natural, latex).

# 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.	
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 information		
11.1. Information on toxicological effects		

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	mation
12.1. Toxicity	
Toxicity	The product components are not classified as environmentally hazardous.
12.2. Persistence and degrada	ability
Persistence and degradability	The product is not readily biodegradable.
12.3. Bioaccumulative potentia	<u>al</u>
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.
SECTION 14: Transport inform	nation
<b>•</b>	

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**

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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.