Ronacrete

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

RonaFloor SL Part A

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		Revision	0040.05
SECTION 1: Identification of the subs	ance/mixture and of the company/undertaking	Revision date	2012-05
1.1. Product identifier			
Product name	RonaFloor SL Part A		
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against		
Product Use	[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		
1.2. Details of the supplier of the sofety de	onto a matrix; [AC4] Stone, plaster, cement, glass and ceramic articles;		
1.3. Details of the supplier of the safety da			
Company	Ronacrete Limited		
Address	Ronac House		
	Flex Meadow		
	Harlow Essex CM19 5TD		
	United Kingdom		
Web	www.ronacrete.co.uk		
Fax	+44 (0) 1279 638701		
Email	technical@ronacrete.co.uk		
1.4. Emergency telephone number			
Emergency telephone	+44 (0) 1279 638700		
number			
	Daytime		
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixi	ture		
2.1.1. Classification -	Xi; R36/38-43 N; R51/53		
1999/45/EC	Symbols: Xi: Irritant. N: Dangerous for the environment.		
2.2. Label elements	·		
	The product is classified in accordance with 67/548/EEC.		
Symbols	Xi: Irritant. N: Dangerous for the environment.		
Safety phrases	S37/39 - Wear suitable gloves and eye/face protection.		

3.2. Mixtures



3.2. Mixtures

SECTION 4: First aid measures

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration	Conc.	Classification
				Number	(%w/w)	
4,4'-Isopropylidenediphenol	603-074-00-8	25068-38-6	500-033-5		50 - 60%	Xi; R36/38 R43 N; R51/53
Epichlorhydrin reaction product						
(number average molecular weight						
=700)						
Bisphenol F Epichlorohydrin		28064-14-4			10 - 20%	Xi; R36/38-43 N; R51/53
reaction product						
Aliphatic Glycidylether		68081-84-5			10 - 20%	Xi; R36/38-43 N; R51/53

SECTION 4. First and measures	
4.1. Description of first aid measures	
Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
	Transfer to hospital for specialist examination.
Skin contact	Irritating to skin. Remove all contaminated clothes and footwear immediately unless stuck to skin.
	Wash off immediately with plenty of soap and water. Seek medical attention.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam. Water mist/fog.
5.2. Special hazards arising from the subst	tance or mixture
	Not classified as flammable but will burn. Carbon monoxide may evolve if incomplete combustion
	occurs.
5.3. Advice for firefighters	
	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when
	necessary. Wear protective gloves/protective clothing/eye protection/face protection.
SECTION 6: Accidental release measu	Jres
6.1. Personal precautions, protective equip	ment and emergency procedures
	Ensure adequate ventilation of the working area. Wear suitable protective clothing and eye/face
	protection. Chemical resistant gloves.
6.2. Environmental precautions	
	Do not allow product to enter drains. If material enters drains it should be pumped out into an
	open vessel, emergency services should be called to assist in the operation.
6.3. Methods and material for containment	and cleaning up
	Small spillages: absorb into dry earth or sand. Transfer to a closable, labelled container for
	disposal by an appropriate method. Put leaking containers into a larger container or over
	container and secure lid. Label outer container identifing the substance.
	Large spillages: Transfer to a labelled container for product recovery or appropriate disposal,
	otherwise treat as a small spill.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wear suitable



7.2. Conditions for safe storage, including any incompatibilities			
	Keep container tightly closed and in a well-ventilated place. Store at ambient temperature.		
7.3. Specific end use(s)			
	After contact with skin, wash immediately with plenty of clean water. Avoid contact with eyes. Avoid contact with skin. Chemical resistant gloves (PVC). Ensure adequate ventilation of the working area. Keep container in a well-ventilated place. Take off immediately all contaminated clothing. When using do not eat or drink. When using do not smoke.		
Suitable packaging			

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate	Ensure adequate ventilation of the working area. Keep containers tightly closed. Keep in a cool,	
engineering controls	dry, well ventilated area.	
8.2.2. Individual protection	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid	
measures	contact with eyes and skin. Use appropriate personal protective equipment. Apron (Plastic or	
	rubber). Suitable foot protection e.g. boots. Remove contaminated clothing.	
Eye / face protection	Contact lenses should be removed. Provide eye wash station. Suitable eye protection.	
Skin protection -	Wear suitable gloves. Chemical resistant gloves (PVC). Neoprene gloves. Niltrile rubber - NBR ().	
Handprotection	Butyl rubber - IIR (). Wash hands after handling the product.	
Skin protection - Other	Wear suitable protective clothing. Wear waterproof rubber footwear such as Wellington boots.	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Liquid
Yellow
Slight
150 °C
150 °C 150 °C
Slightly miscible in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

Total offerfilda etabling		
	Stable under normal conditions. Reacts with strong oxidising agents.	
10.3. Possibility of hazardous reactions		
	Will not decompose if stored and used as recommended.	
10.4. Conditions to avoid		
	Keep away from heat.	
10.5. Incompatible materials		
	Caustic soda can induce vigorous polymersation reaction with large quantities of heat generated.	
	Strong mineral acids.	
10.6. Hazardous decomposition products		
	Hazardous decomposition products are not expected to form during normal storage. Polymerises	
	exothermically with amines, mercaptans and Lewis Acids at ambient temperature. Reacts	
	exothermically with bases, ammonia, primary and secondary amines, alcohols and acids. Reacts	



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10.6. Hazardous decomposition products		
	exothermically with bases (e.g. caustic soda), ammonia, primary and secondary amines	s, alcohols
	and acids. Toxic gases and vapours may be formed in fire conditions.	
SECTION 11: Toxicological information	on	
11.1. Information on toxicological effects		
Skin corrosion/irritation	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.	
Serious eye damage/irritation	Irritant effect.	
Germ cell mutagenicity	No mutagenic effects reported.	
Repeated or prolonged	Danger of cumulative effects. May cause sensitisation by inhalation and skin contact.	
exposure		
11.1.4. Toxicological Information		
4,4'-Isopropylidenediphenol	Dermal Rat LD50: 2000 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
Epichlorhydrin reaction product (number average molecular		
weight =700)		
RonaFloor SL Part A	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >2000mg/kg
	-	
	The product shows the following dangers according to the calculation method of the Ge Classification Guidelines for Preparations as issued in the latest version:	neral EC
	Irritant	
	Sensitisation: May cause sensitisation by skin contact.	
SECTION 12: Ecological information		
12.1. Toxicity		
4,4'-Isopropylidenediphenol	Fish LC50/96h: 2.4000 mg/l	
4,4'-Isopropylidenediphenol Epichlorhydrin reaction product	Fish LC50/96h: 2.4000 mg/l	
Epichlorhydrin reaction product (number average molecular	Fish LC50/96h: 2.4000 mg/l	
Epichlorhydrin reaction product	Fish LC50/96h: 2.4000 mg/l Algae IC50/72h: 10.0000 mg/l	Fish LC50/96h: 10.0000 mg/l
Epichlorhydrin reaction product (number average molecular weight =700)	Algae IC50/72h: 10.0000 mg/l	
Epichlorhydrin reaction product (number average molecular weight =700)		
Epichlorhydrin reaction product (number average molecular weight =700)	Algae IC50/72h: 10.0000 mg/l	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A	Algae IC50/72h: 10.0000 mg/l	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable.	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable.	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil	Algee IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil.	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential	Algee IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil.	
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations	Algee IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil.	ment.
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil.	iment.
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. s Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a	iment.
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. s Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a containing organic solvents or other dangerous substances. 08 01 wastes from MFSU a	iment.
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations General information	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. s Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a containing organic solvents or other dangerous substances. 08 01 wastes from MFSU a	ind varnish and
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations General information	Algee IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. S Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a containing organic solvents or other dangerous substances. 08 01 wastes from MFSU a removal of paint and varnish. 08 02 99 wastes not otherwise specified.	ind varnish and
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations General information	Algee IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. S Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a containing organic solvents or other dangerous substances. 08 01 wastes from MFSU a removal of paint and varnish. 08 02 99 wastes not otherwise specified.	ind varnish and company.
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations General information	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. s Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a containing organic solvents or other dangerous substances. 08 01 wastes from MFSU a removal of paint and varnish. 08 02 99 wastes not otherwise specified. Recover or recycle if possible, otherwise, incinerate. Contact a licensed waste disposal Drain container thoroughly. Rinse three times with suitable solvent. Treat rinsings as for disposal. After draining, vent in a safe place away from sparks and fire. Where practical	ment.
Epichlorhydrin reaction product (number average molecular weight =700) RonaFloor SL Part A 12.2. Persistence and degradability 12.3. Bioaccumulative potential 12.4. Mobility in soil SECTION 13: Disposal considerations General information	Algae IC50/72h: 10.0000 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environ Not readily biodegradable. Substance has a bioaccumulation potential. Do not let product contaminate subsoil. s Dispose of in compliance with all local and national regulations. 08 01 11* waste paint a containing organic solvents or other dangerous substances. 08 01 wastes from MFSU a removal of paint and varnish. 08 02 99 wastes not otherwise specified. Recover or recycle if possible, otherwise, incinerate. Contact a licensed waste disposal Drain container thoroughly. Rinse three times with suitable solvent. Treat rinsings as for	ment.



SECTION 14:	Transport information
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Hazard pictograms



14.1. UN number

	UN3082			
14.2. UN proper shipping name				
	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)			
14.3. Transport hazard class(es)				
ADR/RID	9			
Subsidiary risk	-			
IMDG	9			
Subsidiary risk	-			
IATA	9			
Subsidiary risk	-			
14.4. Packing group				
Packing group	III			
14.5. Environmental hazards				
Environmental hazards	Yes			
Marine pollutant	Yes			
ADR/RID				
Hazard ID	90			
Tunnel Category	(E)			
IMDG				
EmS Code	F-A S-F			
IATA				
Packing Instruction (Cargo)	964			
Maximum quantity	450 L			
Packing Instruction	964			
(Passenger)				
Maximum quantity	450 L			

SECTION 15: Regulatory information

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

Regulations	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), establishing a European Chemicals Agency, amending Directive 1999/45/EC
	and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94
	as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC,
	93/105/EC and 2000/21/EC.

SECTION 16: Other information

Other information

Text of risk phrases in	R36/38 - Irritating to eyes and skin.
Section 3	R43 - May cause sensitisation by skin contact.
	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic



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Other information			
	environment.		
Further information			
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and		
	belief at the date of publication however no guarantee is made to its accuracy. 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 other process.		





SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

RonaFloor SL Part B

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		Revision Revision date	2012-05-1
SECTION 1: Identification of the subst	ance/mixture and of the company/undertaking		
1.1. Product identifier			
Product name	RonaFloor SL Part B		
1.2. Relevant identified uses of the substar	nce or mixture and uses advised against		
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services,		
	craftsmen); [PROC5] Mixing or blending in batch processes for formulation of preparations and		
	articles (multistage and/or significant contact); [ERC5] Industrial use resulting in inclusion into or		
	onto a matrix; [AC4] Stone, plaster, cement, glass and ceramic articles;		
1.3. Details of the supplier of the safety dat	ta sheet		
Company	Ronacrete Limited		
Address	Ronac House		
	Flex Meadow		
	Harlow		
	Essex CM19 5TD		
	United Kingdom		
Web	www.ronacrete.co.uk		
Fax	+44 (0) 1279 638701		
Email	technical@ronacrete.co.uk		
1.4. Emergency telephone number			
Emergency telephone	+44 (0) 1279 638700		
number			
	Daytime		
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixtu			
2.1.1. Classification -	C; R34 Xn; R20/22-62-63 Xi; R37-43 N; R51/53		
1999/45/EC	Symbols: C: Corrosive. N: Dangerous for the environment.		
2.2. Label elements			
	The product is classified in accordance with 67/548/EEC.		
Symbols	C: Corrosive. N: Dangerous for the environment.		
SECTION 3: Composition/information	on ingredients		

3.2. Mixtures



3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration	Conc.	Classification
				Number	(%w/w)	
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9		10 - 20%	Xn; R20/22
Nonylphenol	601-053-00-8	25154-52-3	246-672-0		10 - 20%	Repr. Cat. 3; R62-63 Xn;
						R22 C; R34 N; R50/53
4-Tert-Butylphenol		98-54-4			10 - 20%	
Trimethylhexane-1,6-Diamine		25620-58-0			1 - 10%	
m-Phenylenebis(methylamine)		1477-55-0	216-032-5		1 - 10%	T; R23 C; R34 Xn; R21/22
						Xi; R43 R52/53

SECTION 4: First aid measures

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

Inhalation	May cause nervous system effects, such as:. Headache. Nausea. Dizziness. Confusion.
	Breathing difficulties. Overexposure can cause respiratory failure. Irritation of nose, throat and
	airway. May cause irritation to respiratory system.
Eye contact	Product vapor can cause glaucopsia when absorbed into the tissue of the eye from the
	atmosphere.
Skin contact	If absorbed through the skin, may cause nervous system effects such as:. Headache. Nausea.
	Dizziness. Confusion. Breathing difficulties.
Ingestion	May cause nervous system effects, such as:. Headache. Nausea. Vomiting. Abdominal Pain.
	Dizziness. Confusion. Breathing difficulties. Overexposure can cause respiratory failure.
4.3. Indication of any immediate medical at	ttention and special treatment needed
Inhalation	Remove the affected person from the source of contamination immediately. If conscious, ensure
	the casualty sits or lies down. If breathing is difficult give oxygen. If unconscious, check for
	breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in
	the recovery position. Transfer to hospital as soon as possible.
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the
	affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to
	hospital if there are burns or symptoms of poisoning. Note to physicians: Application of
	corticosteroid cream has been effective in treating skin irritation.
Ingestion	Drink 1 to 2 glasses of water. If unconscious and breathing is OK, place in the recovery position.
	If unconscious, check for breathing and apply artificial respiration if necessary. DO NOT INDUCE
	VOMITING. Drink copious amounts of water. Transfer to hospital as soon as possible.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. Sand.		
5.2. Special hazards arising from the subst	tance or mixture		
5.3. Advice for firefighters	Ammonia, Nitrogen oxides may be formed in fire conditions. Burning produces irritating, toxic and obnoxious fumes. Use of water may result in the formation of very toxic aqueous solutions. Carbon monoxide may evolve if incomplete combustion occurs. Do not mix with oxidising agents.		
Wear full protective clothing and self contained breathing apparatus. Retain expended liquids from fire fighting for later disposal. SECTION 6: Accidental release measures			

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to a safe area. Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection. Chemical resistant gloves. Suitable



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ersonal precautions, protective equipment and emergency procedures foot protection e.g. boots. nvironmental precautions	
nvironmental precautions	
Do not allow product to enter drains. Do not let product contaminate subsoil. Prevent further	
spillage if safe.	
lethods and material for containment and cleaning up	
Approach suspected leaks with caution. Place in appropriate chemical waste container. Transfer	
to a closable, labelled salvage container for disposal by an appropriate method. Clean up	
personnel must be equipped with self contained breathing apparatus and butyl rubber protective	
clothing. Refer to section 13 of SDS.	
TON 7: Handling and storage	
recautions for safe handling	
Do not use sodium nitrite or other nitrosating agents in formulations containing this product.	-
Suspected cancer causing nitrosamines could be formed. Adopt best Manual Handling	
considerations when handling, carrying and dispensing. Provide eye wash station. Provide safety	
showers. Ensure adequate ventilation of the working area. Avoid inhalation of vapours and contact	
with skin and eyes. When using do not eat, drink or smoke.	
onditions for safe storage, including any incompatibilities	
Do not store with acids. Keep container tightly closed and in a well-ventilated place. Keep in a cool	
place. Store in correctly labelled containers.	
pecific end use(s)	
After contact with skin, wash immediately with plenty of clean water. Avoid contact with eyes.	
Avoid contact with skin. Chemical resistant gloves (PVC). Take off immediately all contaminated	
clothing. Ensure adequate ventilation of the working area. Keep container in a well-ventilated	
place. When using do not eat or drink. When using do not smoke.	
ole packaging	
Do not store in reactive metal containers.	

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate	Provide safety showers. Provide eye wash station. Ensure adequate ventilation of the working	
engineering controls	area.	
8.2.2. Individual protection	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid	
measures	contact with eyes and skin. Use appropriate personal protective equipment. Apron (Plastic or	
	rubber). Suitable foot protection e.g. boots. Remove contaminated clothing.	
Eye / face protection	Provide eye wash station. Suitable eye protection. Contact lenses should be removed.	
Skin protection -	Chemical resistant disposable gloves are recommended as they promote regular changing.	
Handprotection	Chemical resistant gloves (PVC). Neoprene gloves. Nitrile rubber gloves. Butyl rubber - IIR ().	
	Wash hands after handling the product.	
Skin protection - Other	Wear suitable protective clothing. Dispose of contaminated leather articles. Wash at the end of	
	each work shift and before eating, smoking or using the toilet.	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties



9.1. Information on basic physical and chemical properties

State	Liquid
	Yellow
Odour	Ammoniacal
Boiling point	200 °C
Flash point	100 °C
	0.99 (Water = 1 @ 20 °C)

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.				
10.4. Conditions to avoid	I0.4. Conditions to avoid				
	Keep away from heat. Protect from frost.				
10.5. Incompatible materials					
	Reactive metals, materials reactive with hydroxyl compounds. CAUTION! N-Nitrosamines, many				
	of which are potent carcinogens, may be formed when the product comes into contact with nitrous				
	acid, nitrites or atmospheres with high nitrous oxide concentrations. Mineral and Organic acids,				
	oxidising agents. Product slowly corrodes copper, zinc, aluminium and galvanized surfaces.				
	Oxidising agents. Peroxides.				
10.6. Hazardous decomposition products					
	Poisonous and corrosive gases/vapours may be formed in fire conditions. Ammonia. Carbon				
	dioxide (CO2). Nitrogen oxides. Carbon monoxide may evolve if incomplete combustion occurs.				

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns. Prolonged or repeated exposure may cause irritation to skin and mucous	
	membranes.	
Respiratory or skin	May cause sensitisation by skin contact.	
sensitisation		
Germ cell mutagenicity	May cause damage to human organs based on animal data.	
Carcinogenicity	No carcinogenic effects reported.	

11.1.4. Toxicological Information

4-Tert-Butylphenol	Oral Rat LD50: 2951mg/kg	Dermal Rabbit LD50: 2288mg/kg
Benzyl alcohol	Inhalation Rat LC50/4 h: 4.2 mg/l	Oral Rat LD50: 1230 mg/kg
	Oral Mouse LD50: 1040 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
m-Phenylenebis(methylamine)	Inhalation Rat LC50/4 h: 2.4 mg/l	Oral Rat LD50: 930 mg/kg
	Dermal Rabbit LD50: 2000 mg/kg	
Nonyiphenol	Oral Rat LD50: 1200 mg/kg	Dermal Rabbit LD50: 2140mg/kg
RonaFloor SL Part B	Oral Rat LD50: 2951 mg/kg	
Trimethylhexane-1,6-Diamine	Oral Rat LD50: 910mg/kg	

Further information

This product shows the following danger according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest vertion: Harmful, Corrosive, and Irritant Swallowing will lead to a strong caustic effect on the mouth and throat and to the danger of perforation of esophagus and stomach.
Sensitisation: May cause sensitisation by skin contact.



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SECTION 12: Ecological information			
12.1. Toxicity			
Benzyl alcohol	Green algae EC50/96h:	640 mg/l	Fathead minnows LC50/96h: 460 mg/l
	Bluegill sunfish LC50/96h:	10 mg/l	
m-Phenylenebis(methylamine)	Daphnia EC50/48h:	16.0000 mg/l	Rainbow trout LC50/96h: 100 mg/l
RonaFloor SL Part B	Algae IC50/72h:	700.0000 mg/l	Fish LC50/96h: 10 mg/l
12.2. Persistence and degradability	1		
	No data available.		
12.3. Bioaccumulative potential	1		
	No data is available on this product.		
12.4. Mobility in soil			
	No data available.		
SECTION 13: Disposal considerations	3		
General information			
	Weste from residue lunue di Canta da an	lier if guidenee is required	
Disposal methods	Waste from residue/unused: Contact sup	plier il guidance is required.	
Disposal methods			
	Dispose of in compliance with local and n	ational guidelines.	
Disposal of packaging	1		
	Containers must be recycled in compliant	e with national legislation and environm	nental regulations.
SECTION 14: Transport information			
Hazard pictograms			
14.1. UN number	1		
	UN2735		
14.2. UN proper shipping name			
	AMINES, LIQUID, CORROSIVE N.O.S. (m-nhenylenehic/methylamine))	
14.3. Transport hazard class(es)		n-pricitylenebis(methylanine))	
ADR/RID	8		
Subsidiary risk			
IMDG	8		
Subsidiary risk	1_		
IATA	8		
Subsidiary risk	-		
14.4. Packing group	•		
Packing group	Ш		
14.5. Environmental hazards			
Environmental hazards	Yes		
Marine pollutant	Yes		
ADR/RID			
Hazard ID	80		
Tunnel Category	(E)		
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IMDG		
EmS Code	F-A S-B	
IATA		
Packing Instruction (Cargo)	856	
Maximum quantity	60 L	
Packing Instruction	852	
(Passenger)		
Maximum quantity	5 L	

SECTION 15: Regulatory information

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

Regulations	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), establishing a European Chemicals Agency, amending Directive 1999/45/EC
	and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94
	as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC,
	93/105/EC and 2000/21/EC.

SECTION 16: Other information

Other information

Text of risk phrases in	R20/22 - Harmful by inhalation and if swallowed.	
Section 3	R21/22 - Harmful in contact with skin and if swallowed.	
	R22 - Harmful if swallowed.	
	R23 - Toxic by inhalation.	
	R34 - Causes burns.	
	R36/37/38 - Irritating to eyes, respiratory system and skin.	
	R43 - May cause sensitisation by skin contact.	
	R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic	
	environment.	
	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic	
	environment.	
	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic	
	environment.	
	R62 - Possible risk of impaired fertility.	
	R63 - Possible risk of harm to the unborn child.	
Further information		
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use,	
	storage and handling of the product. This information is correct to the best of our knowledge and	

belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

