

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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RonaFloor EWB Part A

Revision 0

Revision date 2012-02-09

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

1.1. Product identifier

Product name	RonaFloor EWB Part A
Product code	PC124

1.2. Relevant identified uses of the substance 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;
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1.3. Details of the supplier of the safety data sheet

Company	Ronacrete Limited
Address	Ronac House Flex Meadow Harlow Essex CM19 5TD United Kingdom
Web	www.ronacrete.co.uk
Telephone	+44 (0) 1279 638700
Fax	+44 (0) 1279 638701
Email	technical@ronacrete.co.uk

1.4. Emergency telephone number



Emergency telephone number	+44 (0) 1279 638700 Daytime
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R36/38-43 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the environment.
Main hazards	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC. Xi: Irritant. N: Dangerous for the environment.  
Risk phrases	R36/38 - Irritating to eyes and skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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2.2. Label elements

Safety phrases	<p>S24 - Avoid contact with skin.</p> <p>S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S28 - After contact with skin, wash immediately with plenty of clean water.</p> <p>S29 - Do not empty into drains.</p> <p>S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.</p> <p>S37/39 - Wear suitable gloves and eye/face protection.</p> <p>S57 - Use appropriate container to avoid environmental contamination.</p> <p>S60 - This material and its container must be disposed of as hazardous waste.</p>
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

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

SECTION 4: First aid 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. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention.
Ingestion	Do not induce vomiting. If swallowed seek medical advice immediately and show this safety data sheet or container label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam. Water mist/fog.
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5.2. Special hazards arising from the substance or mixture

	Not classified as flammable but will burn.
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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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective clothing and eye/face protection. Chemical resistant gloves. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Empty containers can be sent for disposal or recycling. Use appropriate container to avoid environmental
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6.3. Methods and material for containment and cleaning up

contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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 protective clothing and gloves.

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)

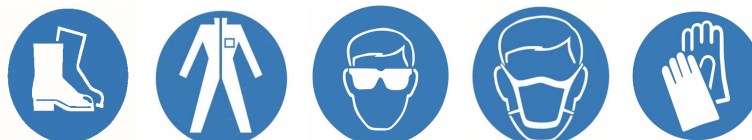
After contact with skin, wash immediately with plenty of clean water. Avoid contact with eyes. Avoid contact with skin. Chemical resistant gloves (PVC). Ensure adequate ventilation of the working area. Keep container in a well-ventilated place. Take off immediately all contaminated clothing. When using 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 engineering controls

Ensure adequate ventilation of the working area. Keep containers tightly closed. Keep in a cool, dry, well ventilated area.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid 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. Approved safety goggles. Provide eye wash station.

Skin protection - Handprotection

Chemical resistant disposable gloves are recommended as they promote regular changing.

Respiratory protection

Wear a disposable mask complying with EN149:2001+A1:2009 FFP1.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Yellow
Odour	Slight
Boiling point	150 °C
Flash point	150 °C
Solubility	Slightly miscible in water

9.2. Other information

Specific gravity 1.12 g/cm³

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not decompose if stored and used as recommended.

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10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

Caustic soda can induce vigorous polymerisation reaction with large quantities of heat generated.
Strong acids.

10.6. Hazardous decomposition products

Polymerises exothermically with amines, mercaptans and Lewis Acids at ambient temperature.
Reacts exothermically with bases, ammonia, primary and secondary amines, alcohols and acids.
Toxic gases and vapours may be formed in fire conditions.

SECTION 11: Toxicological information

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.

11.1.4. Toxicological Information

4,4'-Isopropylidenediphenol Epichlorhydrin reaction product (number average molecular weight =700)	Dermal Rat LD50: 2000 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
RonaFloor EWB Part A	Oral Rat LD50: >2000mg/kg	

Further information

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

Sensitisation: May cause sensitisation by skin contact.

SECTION 12: Ecological information

12.1. Toxicity

4,4'-Isopropylidenediphenol Epichlorhydrin reaction product (number average molecular weight =700)	Fish LC50/96h: 2.4000 mg/l
RonaFloor EWB Part A	Algae IC50/72h: 10.0000 mg/l Fish LC50/96h: 10.0000 mg/l

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Substance has a bioaccumulation potential.

12.4. Mobility in soil

Do not let product contaminate subsoil.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. 08 01 wastes from MFSU and removal of paint and varnish. 08 02 99 wastes not otherwise specified.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

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Disposal of packaging

Containers must be recycled in compliance with national legislation and environmental regulations.

SECTION 14: Transport information

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 (Passenger)	964
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.
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SECTION 16: Other information

Other information

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Other information**Text of risk phrases in Section 3**

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

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RonaFloor EWB Part B

Revision 0
Revision date 2012-02-09

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product name	RonaFloor EWB Part B
Product code	PC124

1.2. Relevant identified uses of the substance 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;
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1.3. Details of the supplier of the safety data sheet

Company	Ronacrete Limited
Address	Ronac House Flex Meadow Harlow Essex CM19 5TD United Kingdom
Web	www.ronacrete.co.uk
Telephone	+44 (0) 1279 638700
Fax	+44 (0) 1279 638701
Email	technical@ronacrete.co.uk


1.4. Emergency telephone number

Emergency telephone number	+44 (0) 1279 638700 Daytime
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SECTION 2: Hazards identification
2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R62-63 Xi; R38-41 Symbols: Xn: Harmful.
Main hazards	Irritating to skin. Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC. Xn: Harmful. 
Risk phrases	R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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2.2. Label elements

Safety phrases	environment. R62 - Possible risk of impaired fertility. R63 - Possible risk of harm to the unborn child.
	S24 - Avoid contact with skin. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of clean water. S29 - Do not empty into drains. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S37/39 - Wear suitable gloves and eye/face protection. S57 - Use appropriate container to avoid environmental contamination. S60 - This material and its container must be disposed of as hazardous waste.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Polyamine adduct					30 - 40%	
Nonylphenol	601-053-00-8	25154-52-3	246-672-0		1 - 10%	Repr. Cat. 3; R62-63 Xn; R22 C; R34 N; R50/53

SECTION 4: First aid 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. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention.
Ingestion	Do not induce vomiting. If swallowed seek medical advice immediately and show this safety data sheet or container label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam. Water mist/fog.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective clothing and eye/face protection. Chemical resistant gloves.
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6.2. Environmental precautions

	Contain spillage and do not allow to contaminate soil and drains or watercourses.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Empty containers can be sent for disposal or recycling. Use appropriate container to avoid environmental contamination.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

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 protective clothing and gloves.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a well-ventilated place. Store at ambient temperature. Keep away from food, drink and animal feedingstuffs.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

Ensure adequate ventilation of the working area.

Eye / face protection

Approved safety goggles. Provide eye wash station.

Skin protection - Handprotection

Chemical resistant disposable gloves are recommended as they promote regular changing.

Skin protection - Other

Protective clothing is recommended, including waterproof gloves and boots. Recommend to wear single-use disposable, waterproof overalls.

Respiratory protection

Wear a disposable mask complying with EN149:2001+A1:2009 FFP1.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

State	Liquid
Colour	Yellow
Odour	Slight
Boiling point	100 °C
Solubility	Miscible in water

SECTION 10: Stability and reactivity**10.2. Chemical stability**

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not decompose if stored and used as recommended.

10.4. Conditions to avoid

Take precautionary measures against static discharges.

10.5. Incompatible materials

Strong acids. Bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Skin corrosion/irritation**

Irritating to skin.

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11.1. Information on toxicological effects

Serious eye damage/irritation	Risk of serious damage to eyes.
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11.1.4. Toxicological Information

Nonylphenol	Oral Rat LD50: 1200 mg/kg
RonaFloor EWB Part B	Oral Rat LD50: >2000mg/kg

SECTION 12: Ecological information

12.1. Toxicity

RonaFloor EWB Part B	Algae IC50/72h: 10.0000 mg/l	Fish LC50/96h: 10.0000 mg/l
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	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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12.2. Persistence and degradability

	Not readily biodegradable.
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12.3. Bioaccumulative potential

	Substance has a bioaccumulation potential.
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12.4. Mobility in soil

	Do not let product contaminate subsoil.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. 08 01 wastes from MFSU and removal of paint and varnish. 08 02 99 wastes not otherwise specified.
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Disposal methods

	Contact a licensed waste disposal company.
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Disposal of packaging

	Containers must be recycled in compliance with national legislation and environmental regulations.
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SECTION 14: Transport information

Hazard pictograms



14.1. UN number

	UN3082
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14.2. UN proper shipping name

	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
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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
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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 (Passenger)	964
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.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R22 - Harmful if swallowed. R34 - Causes burns. R41 - Risk of serious damage to eyes. R50/53 - Very toxic 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.
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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.
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