



Ronacrete

WORLD CLASS MANUFACTURER

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Ronacrete EP LV - Base

Revision 2

Revision date 2022-11-24

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

1.1. Product identifier

Product name	Ronacrete EP LV - Base
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing; ----- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC11] Non industrial spraying; ----- [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying;
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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
Web	www.ronacrete.co.uk
Telephone	01279 638 700
Fax	01279 638 700
Email	technical@ronacrete.co.uk
Email address of the competent person	technical@ronacrete.co.uk

1.4. Emergency telephone number

Emergency telephone number	01279 638 700 8.00am - 5.00pm Mon - Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning

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2.2. Label elements

Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards	No data is available on this product.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	60 - 70%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
bisphenol F-epoxy resin		9003-36-5	500-006-8	01-2119454392-40	10 - 20%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	01-2119485289-22	10 - 20%	Skin Irrit. 2: H315; Skin Sens. 1: H317;
3-glycidyl-oxypropyl-trimethoxy-silane		2530-83-8	219-784-2		0.5 - 1%	Eye Dam. 1: H318;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.

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

Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Carbon oxides. Dry chemical. Foam. Do NOT use water jet.
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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

	Wear self contained breathing apparatus and protective clothing. Do not allow runoff water to enter sewers or drains.
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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. Avoid contact with skin and eyes.
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6.2. Environmental precautions

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

	Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	See section 8 for further information. See section 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.
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7.3. Specific end use(s)

	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	No exposure limit value known. If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods of the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
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8.1.1. Exposure Limit Values

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8.1.1. Exposure Limit Values

Bisphenol A-(epichlorhydrin) (reaction product)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 12.3
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total inhalable dust:	WEL 15 min limit mg/m3 total inhalable dust:
	WEL 8-hr limit mg/m3 total respirable dust:	WEL 15 min limit mg/m3 total respirable dust:

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Butyl rubber gloves. Chemical resistant gloves. Polyvinyl chloride - PVC ().
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Various
Odour	Slight
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	100 °C
Flash point	130 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.13 (H2O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	700 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Slightly soluble in water

9.2. Other information

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9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	Heat will increase pressure in sealed containers.
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10.5. Incompatible materials

	Carbon oxides.
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10.6. Hazardous decomposition products

	Will not decompose if stored and used as recommended.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level. No teratogenic effects reported.
Repeated or prolonged exposure	Once sensitised, an allergic reaction may occur when subsequently exposed to very low levels.

11.1.4. Toxicological Information

Bisphenol A-(epichlorhydrin) (reaction product)	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >2000mg/kg
	Inhalation Rat LC50/4 h: >0.15mg/l	

SECTION 12: Ecological information

12.1. Toxicity

Bisphenol A-(epichlorhydrin) (reaction product)	Daphnia EC50/48h: 1.7000 mg/l	Algae IC50/72h: 9.4000 mg/l
	Fish LC50/96h: 1.5000 mg/l	

12.2. Persistence and degradability

	Not readily biodegradable.
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12.3. Bioaccumulative potential

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12.3. Bioaccumulative potential

Low.

Partition coefficient

Ronacrete EP LV - Base No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

General information

08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.

Disposal methods

Dispose of waste material at an approved hazardous waste treatment/disposal facility in accordance with applicable local regulations. Do not dispose of waste with normal garbage, or to sewer systems. The product should not be allowed to enter drains, water courses or the soil.

Disposal of packaging

Contaminated packaging to be disposed of as product. Fully drained containers which are drop-and scrape-free can be treated as industrial waste, and can possibly be recycled. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-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

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14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

14.6. Special precautions for user

	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spillage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	For transport approval see regulatory information.
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ADR/RID

Hazard ID	90
Tunnel Category	(E)

IMDG

EmS Code	F-A S-F
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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	<p>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.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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.</p>
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15.2. Chemical safety assessment

	This product contains substances for which Chemical Safety Assessments are still required.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 13 - General information. 13 - Disposal methods. 13 - Disposal of packaging.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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Other information

	Eye Dam. 1: H318 - Causes serious eye damage.
Maximum content of VOC	0 g/l.

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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SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Revision 1

Revision date 2019-10-15

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

1.1. Product identifier

Product name Ronacrete EP LV- Curing Agent

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU19] Building and construction work;

1.3. Details of the supplier of the safety data sheet

Company	Ronacrete Limited
Address	Ronac House Flex Meadow Harlow Essex CM19 5TD
Web	www.ronacrete.co.uk
Telephone	01279 638 700
Fax	01279 638 700
Email	technical@ronacrete.co.uk
Email address of the competent person	technical@resbuild.co.uk

1.4. Emergency telephone number

Emergency telephone number 01279 638 700
9.00am - 5.00pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008 Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Acute Tox. 4: H302 - Harmful if swallowed.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statement: Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

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2.2. Label elements

Precautionary Statement: Response	P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
trimethylhexamethylenediamine		25620-58-0	247-134-8	01-2119560598-25	90 - 100%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412;
p-Toluenesulphonic acid (containing a maximum of 5% H2SO4)	016-030-00-2	104-15-4	203-180-0	01-2119538811-39	1 - 10%	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Causes burns. Ingestion may cause nausea and vomiting.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.

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

Ingestion	Seek medical attention.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam, Water. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear self contained breathing apparatus and protective clothing.
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Further information

	Dispose of as special waste in compliance with official regulations.
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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. Evacuate personnel to a safe area. Wear suitable protective equipment. Avoid contact with skin and eyes.
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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. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	See section 8 for further information. See section 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in original container.
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7.3. Specific end use(s)


	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.
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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective clothing.

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8.2. Exposure controls

Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves. Butyl rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold	No data available
pH	11.3
Melting point	No data available
Freezing Point	No data available
Initial boiling point	> 200 °C
Flash point	108 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	5 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Miscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

10.3. Possibility of hazardous reactions

	Reacts with Acids, Alkalis, Oxidising Agents.
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10.4. Conditions to avoid

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10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Reproductive toxicity	No observed effect level. No teratogenic effects reported.

11.1.4. Toxicological Information

trimethylhexamethylenediamine	Oral Rat LD50: 910mg/kg
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11.1.13. Other information

	Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of esophagus and stomach.
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SECTION 12: Ecological information

12.1. Toxicity

trimethylhexamethylenediamine	Daphnia EC50/48h: 31.5 mg/l	Algae IC50/72h: 29.5000 mg/l
	Fish LC50/96h: 1000.0000 mg/l	

12.2. Persistence and degradability

No data is available on this product.

PBT

Not applicable.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Ronacrete EP LV - Curing Agent	No data available
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12.4. Mobility in soil

Slightly miscible in water.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

General information

08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS.

08 02 wastes from MFSU of other coatings (including ceramic materials).

08 02 99 wastes not otherwise specified.

Disposal methods

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Disposal of packaging

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do NOT reuse empty containers.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN2327

14.2. UN proper shipping name

TRIMETHYLHEXAMETHYLENEDIAMINE (MIXTURE)

14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons

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14.6. Special precautions for user

	transporting the product know what to do in the event of a spillage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	For transport approval see regulatory information.
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ADR/RID

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

SECTION 15: Regulatory information

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

	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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	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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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15.2. Chemical safety assessment

	This product contains substances for which Chemical Safety Assessments are still required.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 4 - Eye contact. 12 - 12.1. Toxicity. 14 - ADR/RID.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.
Maximum content of VOC	0 g/l.

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
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Ronacrete EP LV - Curing Agent

Revision 1

Revision date 2019-10-15

Further information

	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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