

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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RonaBond Flowable Micro Concrete

Revision 0

Revision date 2012-01-12

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

1.1. Product identifier

Product name	RonaBond Flowable Micro Concrete
Product code	PC080

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; R41-43 Symbols: Xi: Irritant.
Main hazards	Risk of serious damage to eyes. May cause sensitisation by skin contact.

2.2. Label elements

Symbols	Xi: Irritant. 
Risk phrases	R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact.
Safety phrases	S2 - Keep out of the reach of children. S22 - Do not breathe dust. S24 - Avoid contact with skin. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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2.2. Label elements

Precautionary Phrases	S37/39 - Wear suitable gloves and eye/face protection.
	P13 - Contains chromium (VI). May produce an allergic reaction.

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
Portland Cement Clinker (Portland cement total inhalable dust)		65997-15-1			10 - 20%	

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	Immediately rinse with plenty of water for 15 minutes. Seek medical attention.
Skin contact	Remove contaminated clothing. Immediately wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly. Drink plenty of water. Seek medical advice and show this safety data sheet or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	This product is not flammable and will not aid combustion with other materials.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with eyes and skin. Wear full protective, waterproof clothing and a dust mask. Wear suitable gloves and eye/face protection. Wear waterproof rubber footwear such as Wellington boots. Refer to section 8.2.1.
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6.2. Environmental precautions

	Avoid formation of dust. 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

	Dry product - Use clean up methods that do not cause airborne dispersion, eg: an industrial vacuum cleaner, or spray with a fine mist of water prior to shovelling up the resultant slurry.
	Wet product - Shovel up and place into plastic containers. Allow to harden before disposal (see section 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Wear full protective, waterproof clothing and a dust mask. Wear waterproof gloves and eye/face protection. Wear waterproof rubber footwear such as Wellington boots. The product chemically reacts and hardens when mixed with water. The reaction is exothermic, resulting in a temperature rise. If large quantities are exposed to sufficient quantities of water, steam can be formed and the temperature may increase enough to cause a risk of burns during the reaction.
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7.2. Conditions for safe storage, including any incompatibilities

	Store in a cool, dry area.
Suitable packaging	Paper or plastic sacks, or buckets with secure lids.

7.3. Specific end use(s)

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7.3. Specific end use(s)

Do not eat, drink or smoke in areas where this product is used or stored.

Further information

If stored correctly, as detailed above and used within the declared shelf life shown on the bag, the activity of the reducing agent* will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2ppm) soluble chromium (VI) of the total dry weight of cement. Use of this product beyond the declared shelf life may increase the risk of an allergic reaction.

*Added to control the level of soluble chromium (VI).

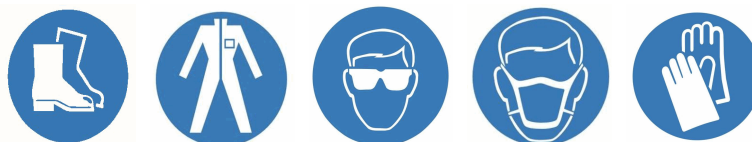
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Portland Cement Clinker (Portland cement respirable dust)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 4
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Portland Cement Clinker (Portland cement total inhalable dust)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area. Avoid formation of dust. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

Approved safety goggles. Provide eye wash station.

Skin protection - Handprotection

Wear waterproof and alkali resistant gloves. Disposable gloves are recommended as they promote regular changing.

Skin protection - Other

Wear waterproof trousers and Wellington boots. Special care should be taken to avoid the product entering boots. Recommend to wear single-use disposable, waterproof overalls. If cement is left on the skin throughout the working day, rather than being washed off at intervals, the risk of contact sensitisation to hexavalent chromium will be increased.

Respiratory protection

Wear a dust mask complying with EN149:2001+A1:2009 FFP3. Always check the mask is an effective fit on the face.

Occupational exposure controls

Do not eat, drink or smoke in areas where this product is used or stored.

Further information

Contact between cement-based powders and bodily fluids (eg: sweat) can cause dermatitis or burns.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Powder
Colour	Grey
Odour	Slight
Solubility	Slightly soluble in water

SECTION 10: Stability and reactivity

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10.2. Chemical stability

	Stable under normal conditions. This product must be kept dry (refer to 7.1).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Repeated or prolonged exposure	Swallowing small amounts of this product is unlikely to cause any significant problems. Larger amounts may lead to irritation of the gastrointestinal tract.
	Causes burns. Skin irritation and dermatitis.
	Strong caustic effect. Serious eye damage/irritation.
	May cause irritation to mucous membranes. May cause respiratory irritation.
	Repeated or prolonged exposure may cause dermatitis. Chronic exposure to respirable dust in excess of WEL may cause coughing, shortness of breath and eventually chronic obstructive lung disease.

11.1.4. Toxicological Information

	Swallowing small amounts of this product is unlikely to cause any significant problems. Larger amounts may lead to irritation of the gastrointestinal tract.
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SECTION 12: Ecological information

Further information

	No known adverse environmental effects.
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SECTION 13: Disposal considerations

Disposal methods

	Mix product with water, allow to harden, then dispose of according to local or national guidelines.
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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

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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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	R37/38 - Irritating to respiratory system and skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact.
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Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use,
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Further information

	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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