



SAFETY DATA SHEET
RonaBond HB40

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

1.1. Product identifier

Product name RonaBond HB40

Product number PC087

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

Identified uses [AC4] Stone, plaster, cement, glass and ceramic articles [ERC5] Industrial use resulting in inclusion into or onto a matrix [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

Emergency telephone +44 (0) 1279 638700

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319 Elicitation - EUH208

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R36

2.2. Label elements

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Pictogram



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

EUH208 Contains calcium aluminium sulfate. May produce an allergic reaction.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Supplemental label information

EUH203 Contains chromium (VI). May produce an allergic reaction.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Silicon dioxide CAS number: 69012-64-2 EC number: 273-761-1	1-5%
Classification Not Classified	
calcium oxide CAS number: 1305-78-8	1-5%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335	
cement additive CAS number: —	1-5%
Classification Not Classified	
calcium aluminium sulfate CAS number: 1305-78-8	<1%
Classification Skin Sens. 1 - H317	

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quartz (respirable silica) <1% CAS number: 14808-60-7
Classification STOT RE 1 - H372
hydroxypropyl methyl cellulose <1% CAS number: 9004-65-3
Classification Not Classified
Tin sulphate <1% CAS number: 7488-55-3 M factor (Acute) = 1 M factor (Chronic) = 1
Classification Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Muta. 2 - H341 Repr. 2 - H361 STOT SE 3 - H335 STOT RE 2 - H373 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
aluminium powder <1% CAS number: —
Classification Flam. Sol. 1 - H228
vinyl acetate <1% CAS number: 108-05-4 EC number: 203-545-4
Classification Flam. Liq. 2 - H225

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n-butyl acrylate	<1%
CAS number: 141-32-2	EC number: 205-480-7
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
STOT SE 3 - H335	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if a large quantity has been ingested.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Dust may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals.
Eye contact	Symptoms following overexposure to dust may include the following: Severe irritation, burning, tearing and blurred vision. May cause chemical eye burns.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is not flammable. The product is non-combustible.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid generation and spreading of dust. Do not release into the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Dry product - Use clean up methods that do not cause airborne dispersion, e.g. 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.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid handling which leads to dust formation. For personal protection, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Silicon dioxide

Long-term exposure limit (8-hour TWA): WEL 6 mg/m³ total inhalable dust

Long-term exposure limit (8-hour TWA): WEL 2.4 mg/m³ respirable dust

calcium oxide

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³

cement additive

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

quartz (respirable silica)

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

hydroxypropyl methyl cellulose

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Tin sulphate

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³ as Sn

Short-term exposure limit (15-minute): WEL 4 mg/m³ as Sn

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aluminium powder

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

vinyl acetate

Short-term exposure limit (15-minute): WEL 35.2 mg/m³

Long-term exposure limit (8-hour TWA): WEL 17.6 mg/m³

n-butyl acrylate

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection

Wear chemical splash goggles.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Provide eyewash station.

Respiratory protection

Wear a suitable dust mask.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	Grey.
Odour	Slight.
Solubility(ies)	Slightly soluble in water.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None known.

10.4. Conditions to avoid

Conditions to avoid Protect from moisture.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

Hazardous decomposition products None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Ingestion Only large quantities are likely to have adverse effects on human health.

Skin contact May cause sensitisation by skin contact. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

Eye contact May cause serious eye damage. Corneal damage.

Medical considerations The following pre-existing or historic medical conditions of the worker may lead to an increased risk of adverse health effects following exposure to this product: Skin disorders and allergies.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity No negative effects on the aquatic environment are known.

12.2. Persistence and degradability

Persistence and degradability The product contains mainly inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product hardens to a solid, immobile substance.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Disposal methods Mix product with water, allow to harden, then dispose of according to local or national guidelines. Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance

www.echa.europa.eu
www.hse.gov.uk
Workplace Exposure Limits EH40.
Supplier product information and safety data sheets.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by sds@ronacrete.co.uk

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Revision date	21/05/2015
Revision	1
SDS number	4695
Risk phrases in full	R10 Flammable. R11 Highly flammable. R36 Irritating to eyes. R36/37/38 Irritating to eyes, respiratory system and skin. R43 May cause sensitisation by skin contact.
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H228 Flammable solid. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains calcium aluminium sulfate. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.