



SAFETY DATA SHEET

RonaScreed Fast Drying Underfloor Heating Screed Additive

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

1.1. Product identifier

Product name RonaScreed Fast Drying Underfloor Heating Screed Additive

Product number PC064

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 Ox. Liq. 2 - H272

Health hazards Acute Tox. 4 - H302 Eye Irrit. 2 - H319

Environmental hazards Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC) E; R9. Xn; R22. Xi; R36. N; R50

2.2. Label elements

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Pictogram



Signal word

Danger

Hazard statements

H272 May intensify fire; oxidiser.
 H302 Harmful if swallowed.
 H319 Causes serious eye irritation.
 H400 Very toxic to aquatic life.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P220 Keep away from combustible materials.
 P221 Take any precaution to avoid mixing with combustibles.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P330 Rinse mouth.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P391 Collect spillage.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

Sodium nitrite

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Sodium nitrite CAS number: — M factor (Acute) = 1	10-30%
Classification Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	
Calcium formate CAS number: 544-17-2 EC number: 208-863-7	5-10%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	

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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	Move affected person to fresh air at once. Get medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Get medical attention.
Skin contact	Remove contaminated clothing. Wash with plenty of water. Get medical attention if symptoms are severe or persist.
Eye contact	Wash with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

General information	See Section 11 for additional information on health hazards.
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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	Water spray.
Unsuitable extinguishing media	Carbon dioxide (CO ₂).

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of nitrogen. Oxygen.
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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use special protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate area. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation.
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6.2. Environmental precautions

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

Methods for cleaning up	Absorb spillage with inert, damp, non-combustible material. Dispose of this material and its container to hazardous or special waste collection point.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Follow precautions for safe handling described in this safety data sheet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Keep container dry. Store away from the following materials: Acids. Alkalis. Avoid contact with oxidising agents. Keep away from food, drink and animal feeding stuffs.

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

Sodium nitrite

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

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

When using do not eat, drink or smoke. Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

Environmental exposure controls

Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Coloured liquid.

Colour

Yellow.

Odour

Mild.

pH

pH (concentrated solution): 6.7-7

Solubility(ies)

Miscible with water.

9.2. Other information

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Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See Section 10.3 (Possibility of hazardous reactions) for further information.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react with the product: Amines. Oxidising agents. Reducing agents. Acids.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Do not allow to dry out.

10.5. Incompatible materials

Materials to avoid Acids. Powdered metal. Amines. Activated carbon Cyanides.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of nitrogen. Oxides of the following substances: Sodium.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 401.6064257

Inhalation Unlikely route of exposure as the product does not contain volatile substances.

Ingestion Harmful if swallowed.

Skin contact May be slightly irritating to skin.

Eye contact This product is strongly irritating.

SECTION 12: Ecological Information

Ecotoxicity Information given is applicable to:- Sodium nitrite

12.1. Toxicity

Acute toxicity - fish LC₅₀, 96 hours: 0.54-26.3 mg/l, *Salmo gairdneri*

Acute toxicity - aquatic invertebrates LC₅₀, 96 hours: 4.93 mg/l, Freshwater invertebrates

Acute toxicity - aquatic plants EC₅₀, 72 hours: >100 mg/l, *Scenedesmus subspicatus*

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

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Mobility Not considered mobile.

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

General information Mix at the prescribed level with sand and cement, allow to harden then dispose of as dry waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3219

UN No. (IMDG) 3219

UN No. (ICAO) 3219

UN No. (ADN) 3219

14.2. UN proper shipping name

Proper shipping name (ADR/RID) NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S. (SODIUM NITRITE)

Proper shipping name (IMDG) NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S. (SODIUM NITRITE)

Proper shipping name (ICAO) NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S. (SODIUM NITRITE)

Proper shipping name (ADN) NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S. (SODIUM NITRITE)

14.3. Transport hazard class(es)

ADR/RID class 5.1

ADR/RID classification code O1

ADR/RID label 5.1

IMDG class 5.1

ICAO class/division 5.1

ADN class 5.1

Transport labels



14.4. Packing group

ADR/RID packing group III

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IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-Q
ADR transport category	3
Emergency Action Code	2Y
Hazard Identification Number (ADR/RID)	50
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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	EH40/2005 Workplace exposure limits. 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
Revision date	17/09/2015
Revision	1
SDS number	4799
Risk phrases in full	R8 Contact with combustible material may cause fire. R25 Toxic if swallowed. R50 Very toxic to aquatic organisms.

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Hazard statements in full	H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.
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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.