

System 100

NEWTON 104

Crystalline Waterproofing of Concrete

Rev 1.1 - 21 May 2017

PRODUCT CODE - 104

1. Identification of the substance/mixture and of the company/undertaking

PRODUCT IDENTIFIER

- | | |
|----------------------------------|---|
| • Product form | Mixture |
| • Product name | Newton 104 |
| • Product code | CW104 |
| • Description | Applied as a slurry coat on concrete in order to make the concrete watertight by means of a unique chemical treatment |
| • Company Address | Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH |
| • Web | www.newtonwaterproofing.co.uk |
| • Email address of the competent | info@newtonwaterproofing.co.uk |
| • Emergency telephone number | +44 (0)1732 360 095
9am - 5pm (GMT) Mon - Fri |

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

RELEVANT IDENTIFIED USES

- | | |
|------------------------------------|-------------------------------------|
| • Industrial/Professional use spec | Waterproofing |
| • Uses advised against | No additional information available |

3. Hazards identification

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]

- | | |
|-----------------|------|
| • Skin Irrit. 2 | H315 |
| • Eye Dam. 1 | H318 |
| • Skin Sens. 1 | H317 |
| • STOT SE 3 | H335 |

Full text of H-phrases: see section 16

ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS

No additional information available

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4. Label elements

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02



GHS07

- Signal word (CLP) Danger
- Hazardous ingredients Calcium hydroxide, Ciment portland
- Hazard statements (CLP) H315 - Causes skin irritation H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
- Precautionary statements (CLP) P280 - Wear eye protection, face protection, protective clothing, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position 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
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P501 - Dispose of contents/container to hazardous or special waste collection point accordance with local, regional and/or international regulation

5. Other hazards

No additional information available

6. Composition/information on ingredients

SUBSTANCES

Not applicable

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NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC
Ciment portland	(CAS No.) 65997-15-1 (EC no) 266-043-4	30 - 40	40 Xi; R41 Xi; R37 Xi; R38 Xi; R43
Sodium bicarbonate	(CAS No.) 144-55-8 (EC no) 205-633-8	10 - 25	Not classified
quartz	(CAS No.) 14808-60-7 (EC no) 238-878-4	1 - 15	Xn; R20
Calcium hydroxide	(CAS No.) 1305-62-0 (EC no) 215-137-3	1 - 15	Xi; R41 Xi; R38
Tartaric acid	(CAS No.) 87-69-4 (EC no) 201-766-0	1 - 15	Xi; R36

NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]
Ciment portland	(CAS No.) 65997-15-1 (EC no) 266-043-4	30 - 40	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Sodium bicarbonate	(CAS No.) 144-55-8 (EC no) 205-633-8	10 - 25	Not classified
quartz	(CAS No.) 14808-60-7 (EC no) 238-878-4	1 - 15	Not classified
Calcium hydroxide	(CAS No.) 1305-62-0 (EC no) 215-137-3	1 - 15	Skin Irrit. 2, H315 Eye Dam. 1, H318
Tartaric acid	(CAS No.) 87-69-4 (EC no) 201-766-0	1 - 15	Eye Irrit. 2, H319

Full text of R-, H- and EUH-phrases: see section 16

7. First aid measures

DESCRIPTION OF FIRST AID MEASURES

- First-aid measures after inhalation Assure fresh air breathing. If you feel unwell, seek medical advice.
- First-aid measures after skin contact Wash with plenty of soap and water.
- First-aid measures after eye contact Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion Do NOT induce vomiting. Obtain emergency medical attention. Never give anything by mouth to an unconscious person

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Symptoms/injuries after inhalation May cause respiratory irritation. May cause an allergic skin reaction.
- Symptoms/injuries after skin contact Causes skin irritation.
- Symptoms/injuries after eye contact Causes serious eye damage.
- Symptoms/injuries after ingestion May be harmful if swallowed.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

8. Firefighting measures

EXTINGUISHING MEDIA

No additional information available

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Reactivity Reacts with water.

9. Advice for firefighters

- Firefighting instructions Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

10. Accidental release measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- General measures Ensure adequate ventilation

FOR NON-EMERGENCY PERSONNEL

- Emergency procedures Evacuate unnecessary personnel.

FOR EMERGENCY RESPONDERS

- Protective equipment Equip cleanup crew with proper protection.

ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Methods for cleaning up Collect spills and put it into appropriated container.

REFERENCE TO OTHER SECTIONS

See also sections 8 and 13.

11. Handling and storage

PRECAUTIONS FOR SAFE HANDLING

- Precautions for safe handling Do not eat, drink or smoke when using this product.
- Hygiene measures Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Storage conditions Store in a dry place.
- Storage area Store in a well-ventilated place.
- Special rules on packaging Keep only in original container.

SPECIFIC END USE(S)

Refer to the technical directions.

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12. Exposure controls/personal protection

CONTROL PARAMETERS

No additional information available

EXPOSURE CONTROLS

- Personal protective equipment Gloves. Protective clothing. Protective goggles



Hand protection

Neoprene rubber (HNBR) /.

Eye protection

Chemical goggles or safety glasses.

Skin and body protection

Wear suitable protective clothing.

- Respiratory protection In case of inadequate ventilation wear respiratory protection.

13. Physical and chemical properties

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--|-------------------|
| • Physical state | Solid |
| • Colour | Grey. |
| • Odour | No data available |
| • Odour threshold | No data available |
| • pH | No data available |
| • Relative evaporation rate (butylacetate=1) | No data available |
| • Melting point | No data available |
| • Freezing point | No data available |
| • Boiling point | No data available |
| • Flash point | No data available |
| • Self ignition temperature | No data available |
| • Decomposition temperature | No data available |
| • Flammability (solid, gas) | No data available |
| • Vapour pressure | No data available |
| • Relative vapour density at 20 °C | No data available |
| • Relative density | No data available |
| • Solubility | No data available |
| • Log Pow | No data available |
| • Log Kow | No data available |
| • Viscosity, kinematic | No data available |
| • Viscosity, dynamic | No data available |
| • Explosive properties | No data available |
| • Oxidising properties | No data available |
| • Explosive limits | No data available |

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OTHER INFORMATION

No additional information available

14. Stability and reactivity

REACTIVITY

Reacts with water.

CHEMICAL STABILITY

No additional information available

POSSIBILITY OF HAZARDOUS REACTIONS

No additional information available

CONDITIONS TO AVOID

Moisture.

INCOMPATIBLE MATERIALS

Water.

HAZARDOUS DECOMPOSITION PRODUCTS

No additional information available

15. Toxicological information

INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute toxicity Not classified

Sodium bicarbonate (144-55-8) Result

LD50 oral rat > 4000 mg/kg

LC50 inhalation rat (mg/l) > 4,74 mg/l

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye damage.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- Germ cell mutagenicity Not classified
- Carcinogenicity Not classified
- Reproductive toxicity Not classified
- Specific target organ toxicity (single exposure) May cause respiratory irritation
- Specific target organ toxicity (repeated exposure) Not classified
- Aspiration hazard Not classified

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16. Ecological information

TOXICITY

No additional information available

PERSISTENCE AND DEGRADABILITY

No additional information available

BIOACCUMULATIVE POTENTIAL

No additional information available

MOBILITY IN SOIL

No additional information available

RESULTS OF PBT AND VPOB ASSESSMENT

No additional information available

OTHER ADVERSE EFFECTS

No additional information available

17. Disposal considerations

WASTE TREATMENT METHODS

- Regional legislation (waste) Disposal must be done according to official regulations

18. Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

UN NUMBER

No dangerous good in sense of transport regulations.

UN PROPER SHIPPING NAME

Not applicable

TRANSPORT HAZARD CLASS(ES)

Not applicable

PACKING GROUP

Not applicable

ENVIRONMENTAL HAZARDS

- Other information No supplementary information available.

SPECIAL PRECAUTIONS FOR USER

Not applicable

OVERLAND TRANSPORT

No additional information available

TRANSPORT BY SEA

No additional information available

AIR TRANSPORT

No additional information available

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable

19. Regulatory information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

EU-REGULATIONS

No REACH Annex XVII restrictions
Contains no REACH candidate substance

NATIONAL REGULATIONS

No additional information available

CHEMICAL SAFETY ASSESSMENT

No additional information available

20. Other information

Full text of R-, H- and EUH-phrases::
