

HydroCoat 104 Super

Crystalline Waterproofing of Concrete

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

| | |
|----------------------------------|---|
| • Product form | Mixture |
| • Product name | HydroCoat 104 Super |
| • 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 |

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 |

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture Product Identifier

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

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]



Hazard pictograms (CLP)

GHS02

GHS07

• Signal word (CLP)

Danger

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- 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

2.3 Other Hazards

No additional information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

- Not Applicable

4. FIRST AID MEASURES

4.1 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

4.2 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.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

None.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

No additional information available

5.2 Special Hazards Arising from the Material

- Reactivity Reacts with water.

5.3 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.

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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] |
|--------------------|---|---------|--|
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| Sodium bicarbonate | (CAS No.) 144-55-8 (EC no) 205-633-8 | 10 - 25 | Not classified |
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| 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

- Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 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.

6.2 Environmental Precautions

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

6.3 Methods and Materials for Containment and Cleaning Up

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

6.4 Reference to Other Sections

See also sections 8 and 13.

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7. HANDLING AND STORAGE

7.1 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.

7.2 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.

7.3 Specific End Use(es)

Refer to the technical directions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No additional information available

8.2 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.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 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

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| | |
|------------------------------------|-------------------|
| • 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 |

9.2 Other Information

No additional information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with water.

10.2 Chemical Stability

No additional information available

10.3 Possibility of Hazardous Reactions

No additional information available

10.4 Conditions to Avoid

Moisture.

10.5 Incompatible Materials

Water.

10.6 Hazardous Decomposition Products

No additional information available

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

| | |
|--|--------------------------------------|
| • Acute toxicity | Not classified |
| • 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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Sodium bicarbonate (144-55-8) Result

LD50 oral rat > 4000 mg/kg

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

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

14. TRANSPORT INFORMATION

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

14.1 UN Number

No dangerous good in sense of transport regulations.

14.2 UN Proper Shipping Name

Not applicable

14.3 Transportation Hazard Class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental Hazards

- Other information No supplementary information available.

14.6 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

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

Not applicable

15. REGULATORY INFORMATION

15.1 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

15.2 Chemical Safety Assessment
No additional information available

16. OTHER INFORMATION

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