

# HydroCoat / HydroTank 104

## Crystalline Waterproofing of Concrete

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

#### PRODUCT IDENTIFIER

• Product form	Mixture
• Product name	HydroCoat / HydroTank 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	<a href="http://www.newtonwaterproofing.co.uk">www.newtonwaterproofing.co.uk</a>
• Email address of the competent	<a href="mailto:info@newtonwaterproofing.co.uk">info@newtonwaterproofing.co.uk</a>
• 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.

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### 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
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LC50 inhalation rat (mg/l)	> 4,74 mg/l
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- 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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## Crystalline Waterproofing of Concrete

### 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 VPVB 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

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### 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::