

## System 100

## NEWTON 112 AQUABIT

## Seamless Waterproofing Paste For Retaining Walls

Rev 3.0 - 10 March 2016

PRODUCT CODE - DN402

## 1. Product Identification

- Trade name: Newton 112 Aquabit
- Product type and use: Waterproofing product for foundations
- Company Address: Newton Waterproofing Systems, Newton House, 17-19 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web: [www.newtonwaterproofing.co.uk](http://www.newtonwaterproofing.co.uk)
- Email address of the competent person: [info@newtonwaterproofing.co.uk](mailto:info@newtonwaterproofing.co.uk)
- Emergency telephone number: +44 (0)1732 360 095  
9am - 5pm (GMT) Mon - Fri

## 2. Hazard Identification

- Classification of the substance or mixture: H317: Skin. Sens. 1
- Label elements: Labelling according to Regulation (EC) No. 1272/2008 [CLP]  
Hazard pictogram:



GHS07

- Warning: Caution
- Hazard statement: H317 May cause an allergic skin reaction
- Safety advice: P272  
P280  
P302+P352  
P333+P313  
P501
- Additional information about the dangers (EU): Contains: Rosin and mixture of: 5-chloro-2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one. They may produce an allergic reaction
- Other hazard: Data not available.  
Classification and labelling have been made on the basis of safety data sheets of raw materials that make up the product

## 3. Composition/information on ingredients

- Substance: Not applicable. The product is a mixture

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• Mixture

Hazard substance:

| Chemical name  | Index No.    | CAS No.    | EC No.    | REACH Registration Number | % [weight]  | Classification   |
|--|--------------|------------|-----------|---------------------------|-------------|--|
| Colophony  | 650-015-00-7 | 8050-09-7  | 232-475-7 |                           | 1 to 1.25   | H317 Skin Sens. 1  |
| Mixture of: 5-chloro-2-methyl-2H-isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H-isotiazol-3-one | 613-167-00-5 | 55965-84-9 | 220-239-6 |                           | 0 to 0.0024 | H314 Skin Corr. 1B<br>H317 Skin Sens. 1<br>H400 Aquatic Acute 1<br>H410 Aquatic Chronic 1<br>H301 Oral Acute Tox. 3<br>H311 Dermal Acute Tox. 3<br>H331 Inhal Acute Tox. 3 |

• Additional information

It contains quartz (SiO<sub>2</sub>) in a non-threatening as dispersed and therefore not inhalable.  
It also contains bentonite with a crystalline silica content less than 10% (by weight), which is not classified as dangerous according to EC Regulations 1272/2008 and Directive 67/548/EC currently in force.  
For the full text of the advice H: cfr. SECTION 16.  
Impurity: It does not contain impurities relevant for classification and labelling

#### 4. First Aid Measures

• General information

No known delayed effects. Consult a physician for all routes of exposure except in minor cases, showing this safety data sheet or label.

• Inhalation vapours

Air the room. Immediately remove the patient from the contaminated premises to rest in a well ventilated area. If you feel unwell seek medical advice, showing this safety data sheet or label

• Vapours

Ventilate the area. Immediately remove the patient from the contaminated premises to rest in a well ventilated area. If you feel unwell seek medical advice, showing this safety data sheet or label

• Eye contact

Rinse immediately with plenty of running water, with eyelids open. If irritation persists, seek medical advice, showing this safety data sheet or label

• Ingestion

Rinse mouth with plenty of water, do not induce vomiting. Consult a doctor immediately, showing this safety data sheet. Never give anything by mouth to an unconscious person

• Most important symptoms and effects, both acute and delayed

The treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. In severe poisoning, maintain adequate ventilation and oxygenation of the patient. If ravage is performed, it suggests endotracheal and/or esophageal. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination

• Indication of any immediate medical attention or special treatment

Symptomatic treatment. In case of accident or malaise consult a doctor immediately. Not to be no action taken involving any personal risk or without suitable training

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### 5. Fire Fighting Measures

- Thermal decomposition No data available
- Suitable extinguishing media For extinguishing fires use water spray, dry powder or CO<sub>2</sub>. Fight larger fires with water spray or alcohol resistant foam. For product leaks and spills that have not caught fire, nebulizer water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage. Do not use a solid water stream as it may scatter and spread fire. Use extinguishing measures appropriate to local circumstances and the surrounding environment. Extinguishers not anyone
- Special hazards arising from the substance Harmful gases produced by the flame if it produces an incomplete combustion, may consist of Carbon Monoxide, Carbon Dioxide (CO<sub>2</sub>). In case of fire by the indirect involvement of bitumen emulsions can originate combustion fumes, carbon oxides, acetic acid, sulfur oxides, aldehydes and other decomposition products
- Advice for fire fighters Do not vacuum gases from the fire. And use self-extinguishing measures appropriate to local circumstances and the surrounding environment. Wear complete protection to eyes, full flash barrier suit, gloves and shoes. The debris and contaminated extinguishing water must be disposed of according to local regulations, national and community

### 6. Accidental Release Measures

- For non-emergency personnel Remove people who do not wear any protective device. Avoid contact with the skin and eyes - wear appropriate personal protective equipment (see point 8). Material can create slippery conditions
- For emergency responders Remove people who do not wear any protective device. Avoid contact with skin and eyes - wear suitable protective equipment. Wear gloves, protective clothing, safety goggles, boots and protection for the respiratory (breathing apparatus) (see point 8). Eliminate all unguarded flames and possible sources of ignition. No smoking. Ensure adequate ventilation
- Environmental Contain the spillage. Avoid the product or washing liquids reaching uncontrolled water courses or sewage systems. In case of spills into waterways, alert the Environment Agency or other body in charge of environmental protection. Material can create slippery conditions.
- Methods and materials for containment and cleaning
  - Small quantity: Take up with absorbent material (sand, sawdust, universal absorbent, diatomaceous earth), pour the product in appropriate labelled containers and dispose of according to local, national and EU regulations. If the spill happened indoors ventilate the room. After collection, wash the area and the materials involved in recovering the material with water, and send for disposal in approved facilities
  - Large quantity: Mechanically remove the product, pour it into appropriate labelled containers, recover or dispose of according to local, national and EU regulations. If the spill occurred in an enclosed area, air the room. After collection, wash the area and the materials involved in recovering the material with water, and send for disposal in approved facilities
- Reference to other sections The information relative to exposure control/personal protection and the considerations for disposal are given in sections 8 and 13

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### 7. Handling and Storage

#### PRECAUTIONS FOR SAFE HANDLING

- Protection measures  
Avoid contact with skin, eyes and mucous membranes, do not swallow. Wear protective equipment for hands, eyes and skin (see item 8). Do not wear contact lenses when working with this product. It is also recommended to have eyewash available. Provide adequate ventilation. In case of insufficient ventilation, wear respiratory protection. Do not breathe vapours, aerosols or gases
- Advice on general occupational hygiene  
Avoid inhalation, ingestion or contact with skin and eyes. They also require general measures of hygiene at work to ensure safe handling of the substance. You must apply general hygienic measures to ensure safe handling of the substance. These measures include good personal practices, regular cleaning of the workplace, no eating, drinking or smoking in the workplace. Take a shower and change clothes when not working. Do not wear contaminated clothing at home. Wash contaminated clothing separately.
- Conditions for safe storage, including any incompatibilities  
The product should be stored in a dry place, sheltered from sunlight, water and frost, at temperatures between +5°C and +35°C in original packaging intact and airtight. Keep away from open flames, sparks and heat sources. Keep out of the reach of children. If the product is stored on site, it must be adequately protected from the sun, frost and water and stored at temperatures between +5°C and +35°C

### 8. Exposure Controls / Personal Protection

#### CONTROL PARAMETERS

- Exposure limit values

| Substance  | Specification     | Value                   | Notes          |
|--|-------------------|-------------------------|----------------|
| Mixture of: 5-chloro-2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one | Québec - LTE      | 0.076 mg/m <sup>3</sup> | CMI            |
|  | NOISH - LTE       | 0.23 mg/m <sup>3</sup>  | CMI            |
|  | Québec - LTE      | 1.5 mg/m <sup>3</sup>   | MI             |
|  | NOISH - LTE       | 4.5 mg/m <sup>3</sup>   | MI             |
| Component denomination   | Route of exposure | Frequency of exposure   | DNEL/DMEL      |
| Mixture of: 5-chloro-2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one | Not applicable    | Not applicable          | Not applicable |
| Component denomination   | Limit value type  |                         | PNEC           |
| Mixture of: 5-chloro-2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one | Not applicable    |                         | Not applicable |

The product contains quartz, and the UK is subject to a mandatory maximum exposure limit of 0.3 mg/m<sup>3</sup> of breathable quartz in a time-weighted average of eight hours. If these limits are exceeded a system must be used for the extraction of the powder. The occupational exposure limit (LEP) for breathable crystalline silica dust is 0.025 mg/m<sup>3</sup> measured in Italy as TWA (time-weighted average).

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- Exposure control  
Such exposure limit is wrong taken into account in the normal conditions of use and storage as is present inside the product in a liquid dispersion and therefore not inhalable.  
For the equivalent limits in other countries, consult a competent occupational hygienist or the institution of field
- Appropriate engineering controls  
None  
It is recommended to use only outdoors or in area provided with appropriate exhaust ventilation. Wear personal protective equipment (goggles and protective clothing, safety shoes)

### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

- Eye/face protection  
Do not use contact lenses. Use tight fitting goggles with side shields, or mask type conforming to EN 166 (single lens glasses, safety glasses or goggles to mask for chemical use). Use an eye protection compatible with the system used for the protection of the respiratory tract
- Skin protection  
Wear protective gloves, which are suited to chemical agents, waterproof and comply with UN EN 374 parts 1 and 2. It is recommended that adequate protection (nitrile rubber gloves with protection index of 6 permeation time > 480 min, thickness of break through 0.1/0.4mm, creams) for workers who suffer from dermatitis or sensitive skin.  
Wash hands at the end of each work shift. One must keep in mind that, because of several factors (for example temperature), the duration of a glove for protection against chemical agents may be considerably lower than the permeation time detected by the test. Change protective gloves used in the presence of signs of wear or contamination.  
Wear protective standards that cover the entire surface of the skin, long trousers, long-sleeved suit, adhering to the end, and safety footwear
- Respiratory protection  
Use respiratory protection equipment with CE marking to comply with the requirements of the regulations in force (Directive 89/656/CEE, 89/686/CEE), when the risks to respiratory system can not be avoided or adequately reduced by measures, methods or procedures of work. Adequately aerate the premises where the product is used or stored
- Thermal hazards  
No data available
- Environmental exposure controls  
Contain the spillage. In the event of any spillage into waterways, alert the Environment Agency or other body in charge of environmental protection

## 9. Physical and Chemical Properties

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- Aspect  
Semi dense
- Colour  
Black
- Odour  
Typical
- Odour threshold  
No data available
- pH  
No data available
- Specific weight  
0.71 kg/l
- Melting point  
0°C water
- Boiling point  
100°C water
- Flash point  
>100°C
- Flammability (solid, gas)  
Non flammable
- Evaporation rate  
No data available
- Vapour pressure  
No data available

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- |                                  |                   |
|----------------------------------|-------------------|
| • Vapour relative density        | No data available |
| • Risk of explosion              | No data available |
| • Lower explosive limit          | Not explosive     |
| • Upper explosive limit          | Not explosive     |
| • Solubility in water            | Miscible          |
| • Coefficient of n-octanol/water | Not applicable    |
| • Auto-ignition temperature      | Not applicable    |
| • Decomposition temperature      | Not applicable    |
| • Dynamic viscosity              | No data available |
| • Oxidising properties           | No data available |

### OTHER INFORMATION

- |                                |                   |
|--------------------------------|-------------------|
| • Percentage of volatile       | No data available |
| • Solubility in other solvents | No data available |

Note: the values presented above with physico-chemical values are typical for the product and should not, therefore, be construed as a specification

## 10. Stability and Reactivity

- |                                      |   |
|--------------------------------------|---|
| • Reactivity                         | The product is stable if the requirements/guidelines for safe handling and storage are followed   |
| • Chemical stability                 | The product is stable if the requirements/guidelines for safe handling and storage are followed   |
| • Possibility of hazardous reactions | No hazards to be specially mentioned  |
| • Conditions to avoid                | The product should be stored in a dry place, away from sunlight, water and frost, at temperatures between +5°C and +35°C in original packaging intact and airtight. Keep away from open flames, sparks and heat sources. Keep out of the reach of children. If the product is stored on site, it must be adequately protected from the sun, frost and water and stored at temperatures between +5°C and +35°C |
| • Incompatible materials             | Materials that react with water. Keep away from acids, oxidisers, open flame, sparks and heat sources. Possible coagulation with cationic emulsions, chemical reagents that act on the pH and cautions critical   |
| • Hazardous decomposition products   | No dangerous product (CO <sub>2</sub> and H <sub>2</sub> O > 550°C)   |
| • Polymerisation                     | Product will not undergo polymerisation   |

## 11. Toxicological Information

In the absence of experimental toxicological data on the product itself, the potential risks of the product to health were evaluated based on the properties of the substances, according to the criteria laid down by the relevant regulations for the classification. Consider, therefore, the concentration of each substance dangerous possibly mentioned in section 3, to assess the toxicological effects resulting from exposure to the product

- |  |                   |
|--|-------------------|
| • Toxicological information of the mixture | No data available |
|--|-------------------|

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- Toxicological information of the main substance in the mixture

| Substance  | Specification | Assumption | Specie | Value     | Duration of test |
|--|---------------|------------|--------|-----------|------------------|
| Mixture of: 5-chloro-2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one | LD50          | Dermal     | Rabbit | 660 mg/kg |                  |
|  | LD50          | Oral       | Rat    | 75 ppm    |                  |
|  | LC50          | Inhalation | Rat    | 0.33 mg/l |                  |
|  | NOAEL         | Oral       | Rat    | 225 ppm   | 90 days          |
|  | NOAEL         | Oral       | Rat    | 75 ppm    | 28 days          |

The product was not tested. The data reported in this paragraph are based on the information contained in the safety data sheets of raw materials that make up the product

## 12. Ecological Information

In the absence of experimental ecological data on the product itself, the potential risks of the product to health were evaluated based on the properties of the substances, according to the criteria laid down by the relevant regulations for the classification. Consider, therefore, the concentration of each substance dangerous possibly mentioned in section 3, to assess the ecological effects resulting from exposure to the product

- Ecological information of the mixture  
No data available
- Toxicological information of the main substance in the mixture

| Substance  | Specification | Specie | Value     | Duration of test |
|--|---------------|--------|-----------|------------------|
| Mixture of: 5-chloro-2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one | LC50          | Fish   | 0.28 mg/l |                  |
|  | EC50          | Algae  | 0.16 mg/l |                  |

- General effect  
No data available
- Persistence and degradability  
Data not available
- Disposal considerations  
Data not available  
Do not pour the product into pipelines or water courses. If the product has escaped into a water course, into the drainage system or has contaminated the ground or vegetation, notify the competent authorities
- Potential for bioaccumulation  
Data not available
- Mobility in soil  
Assessment transport between environmental compartments: Main effect is physical absorption on the sediment. On soil properties are bitumen and aggregates, with absorption as the main physical effect
- Results of evaluations on the PBT or vPvB  
Data not available
- Other adverse effects  
Data not available
- Additional information  
Absorbable organic halogen compounds (AOX): No data available  
The product was not tested. The data reported in this paragraph are based on the information contained in the safety data sheets of raw materials that make up the product

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### 13. Disposal Considerations

- Waste treatment methods For disposal, remove the product in a suitable incineration plant, in accordance with regulations at the local, national and EU level. The preparation is not suitable for disposal in public water such as canals, natural waterways or rivers.  
The package used is intended exclusively for the packaging of this product, it must not be reused for other purposes. All containers, even when completely empty, must be disposed of properly and must undergo a proper decontamination treatment before starting their disposal. If they contain residues they must be classified, stored and sent to a suitable treatment facility in accordance with applicable local, national and community regulations

### 14. Transport Information

- ONU number Product not classified as hazardous for transport (ADR for road, RID for rail, sea transport ADN, internal IMDG/GGVSea by sea, IATA/ICAO aviation)  
Not regulated
- ONU proper name for shipping Not regulated
- Hazard class for transport Product not classified as hazardous for transport
- Packing group Not regulated
- Environmental hazards Product not classified as hazardous for transport
- Special warnings for users Product not classified as hazardous for transport
- Transport product in compliance with MARPOL 73/78 and the IBC Code  
Product not classified as hazardous for transport  
Transportation classes may vary according to the different national laws

### 15. Regulatory Information

#### REGULATIONS/LEGISLATION ON SAFETY, HEALTH AND ENVIRONMENT SPECIFIC TO THE PRODUCT

- Permission Not required
- Restriction for uses None
- Other EU regulations The product does not contain substances included in the Seveso Directive, nor substances that deplete the ozone layer and even persistent organic pollutants (POP).  
Directive 67/548/CEE and s.m.i (classification, labelling and packaging of hazardous substances);  
Directive 2006/8/CE (Ministerial Decree of 03/04/2007);  
Regulation EC/1907/2006 and subsequent amendments (Registration, Evaluation and Authorisation of Chemicals REACH);  
Regulation CE/1272/2008 (classification, labelling and packaging of substances and mixtures)
- National regulations D.P.R. 1124/65 (Consolidated provisions for compulsory insurance against accidents at work and occupational diseases);  
D. Lgs n. 475/82 e s.m.i. (Implementation of the Directive 89/686/CEE Council 21/12/1989 on the approximation of the laws of the Member States relating to personal protective equipment);  
Law. 52 del 03/02/1997;  
D.M. 28/04/1992;  
D.M. 04/04/1997;  
D.M. 07/09/2002 (Implementation of the Directive 2001/58/CE);



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D. Lgs. 65 del 14/03/2003 (Implementation of the Directives 1999/45/Ce and 2001/60/CE);  
D. Lgs n. 152/2006 and s.m.i. (environmental rules);  
D. Lgs. 81/2008 and s.m.i. (implementation of article 1 of the Law 03/08/2007 (concerning the protection of health and safety in the workplace))

- Chemical safety assessment Not required. Exempt from REACH registration

### 16. Other Information

- Full text of abbreviated H statements  
H317: May cause an allergic skin reaction
- Full text of abbreviated P statements  
P272: Contaminated work clothing should not be allowed out of the place of work  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P302 + P352: After contact with skin, wash with plenty of water  
P333 + P313: If irritation or rash occurs, get medical advice  
P501: Dispose of the packaging in the appropriate recycling containers
- Classification and procedures used to derive under Regulation (CE) 1272/2008 [CLP] in relation to the mixtures:

| Classification with regulation (CE) n. 1272/2008 |      | Classification procedure |
|--|------|--------------------------|
| Skin Sens. 1                                     | H317 | Minimum classification   |

- Disclaimer  
This material safety data sheet (MSDS) is based on the legal provisions contained in the REACH Regulation (EC/1907/2006), as amended and supplemented. The information contained herein is based on information in the MSDS of the raw materials that make up the product and our knowledge of the data indicated. They refer solely to the product indicated and constitutes no guarantee of particular quality.  
This is not a representation or warranty as to the accuracy, reliability and completeness of the data contained in this MSDS. The company assumes no liability for damage to persons or property that may result from use of the product other than that for which it is intended. The MSDS does not replace but complements the literature and rules governing the activities of the use. The user has full responsibility for the precautions that are necessary for the safe use and preparation.  
This MSDS cancels and replaces any preceding release.