

## System 100

## NEWTON 103-S (Part A)

## High Performance Liquid Waterproofing Membrane



Rev 1.0 - 25 August 2015

PRODUCT CODE - 103-S

## 1. Identification of the Substance/Mixture and of the Company/Undertaking

- Product name: Newton 103-S (Part A)
- Description: Two component, styrene acrylic modified, fibre reinforced, Portland cement coating.
- 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. Hazards Identification

## CLASSIFICATION OF THE SUBSTANCE OF MIXTURE

- Main hazards: No Significant Hazard.

## LABEL ELEMENTS

Not required

- Risk phrases: No Significant Hazard.

## OTHER HAZARDS

- Other hazards: The product is classified as non-hazardous.

## 3. Composition/Information on Ingredients

- Substances: Not applicable.

## 4. First Aid Measures

## DESCRIPTION OF FIRST AID MEASURES

- Inhalation: Move the exposed person to fresh air. If you feel unwell, seek medical advice (show the label where possible).
- Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. If you feel unwell, seek medical advice (show the label where possible).
- Skin contact: Wash with soap and water. If you feel unwell, seek medical advice (show the label where possible).
- Ingestion: Rinse mouth thoroughly. If you feel unwell, seek medical advice (show the label where possible). If swallowed, seek medical advice immediately and show this container or label.

## MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Inhalation: No known adverse health effects. No Significant Hazard.
- Eye contact: No known adverse health effects. No Significant Hazard.
- Skin contact: No known adverse health effects. No Significant Hazard.

# NEWTON 103-S (Part A)

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- Ingestion No known adverse health effects. No Significant Hazard.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED  
Not required.

### 5. Firefighting Measures

- Extinguishing media This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
- Special hazards arising from the substance or mixture  
None.
- Advice for firefighters The product is classified as non hazardous. This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.

### 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures  
Wear suitable protective equipment.
- Environmental precautions Do not empty into drains; dispose of this material and its container in a safe way.
- Methods and material for containment and cleaning up  
Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Dispose of in compliance with all local and national regulations.
- Reference to other sections See SECTION 8: Exposure controls/personal protection, SECTION 13: Disposal considerations for further information.

### 7. Handling and Storage

- Precautions for safe handling Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Conditions for safe storage, including any incompatibilities  
Store in a cool, dry area. Keep container tightly closed and in a well-ventilated place. Protect from frost.
- Specific end use(s) Restricted to professional users.

### 8. Exposure Controls/Personal Protection

- Control parameters Not normally required.

#### EXPOSURE CONTROLS

- Appropriate engineering controls Ensure adequate ventilation of the working area.
- Individual protection measures Adopt best Manual Handling considerations when handling, carrying and dispensing. Use appropriate personal protective equipment.
- Environmental exposure controls Not normally required.

### 9. Physical and Chemical Properties

#### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- State Liquid.
- Colour Off white.
- Odour Slight.
- Melting point Not applicable.

# NEWTON 103-S (Part A)

## High Performance Liquid Waterproofing Membrane

• Freezing point	Not applicable.
• Boiling point	Not applicable.
• Evaporation rate	Not applicable.
• Vapour pressure	Not applicable.
• Vapour density	Not applicable.
• Fat solubility	Not applicable.
• Partition coefficient	Not applicable.
• Viscosity	Not applicable.
• pH	7 - 9
• Relative density	1.016 - 1.02 (Water = 1 @ 20 °)
• Flammability limits	Not applicable.
• Vapour flammability	Not applicable.
• Flash point	Not applicable.
• Explosive	Not applicable.
• Oxidising	Not applicable.
• Autoignition temperature	Not applicable.
• Solubility	= Miscible in water

### OTHER INFORMATION

- VOC (Volatile organic compounds) < 0.96 g/l

### 10. Stability and Reactivity

• Reactivity	Stable under normal conditions.
• Chemical stability	Stable under normal conditions.
• Possibility of hazardous reactions	None.
• Conditions to avoid	None.
• Incompatible materials	None.
• Hazardous decomposition products	None.

### 11. Toxicological Information

• Information on toxicological effects	No data is available on this product.
• Toxicological information	No data available.

### 12. Ecological Information

• Toxicity	No data available.
• Persistence and degradability	No data is available on this product.
• Bioaccumulative potential	No data is available on this product.
• Mobility in soil	No data is available on this product.
• Results of PBT and vPvB assessment	No data is available on this product.
• Other adverse effects	No data is available on this product.

# NEWTON 103-S (Part A)

## High Performance Liquid Waterproofing Membrane

### 13. Disposal Considerations

- Waste treatment methods Do not empty into drains; dispose of this material and its container in a safe way. Dispose of contents/container to local and national regulations.  
EWC. 08 02 99 wastes not otherwise specified. Disposal of packaging. 15 01 02 plastic packaging.

### 14. Transport Information

- ADR/RID The product is not classified as dangerous for carriage.
- IMDG The product is not classified as dangerous for carriage.
- IATA The product is not classified as dangerous for carriage.

### 15. Regulatory Information

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

- Regulations COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.  
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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

#### CHEMICAL SAFETY ASSESSMENT

Not required.

### 16. Other Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

- Maximum content of VOC 0.96 g/l.

## System 100

**NEWTON 103-S (Part B)**

## High Performance Liquid Waterproofing Membrane

Rev 1.0 - 25 August 2015

PRODUCT CODE - 103-S

**1. Identification of the Substance/Mixture and of the Company/Undertaking**

- Product name Newton 103-S (Part B)
- Description Two component, styrene acrylic modified, fibre reinforced, Portland cement coating.
- 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. Hazards Identification**

## CLASSIFICATION OF THE SUBSTANCE OF MIXTURE

- Classification - 67/548/EEC Xi; R37/38-41-43  
Symbols: Xi: Irritant.
- Main hazards Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.
- Classification - EC 1272/2008 Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335;

## LABEL ELEMENTS

- Hazard pictograms



- Signal word Danger
- Hazard statement Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
Eye Dam. 1: H318 - Causes serious eye damage.  
STOT SE 3: H335 - May cause respiratory irritation.
- Precautionary statement: Prevention P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Precautionary statement: Response P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 - IF INHALED: Remove victim 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.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P321 - Specific treatment (see SECTION 4: First aid measures on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.
- Precautionary statement: Storage P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- Precautionary statement: Disposal P501 - Dispose of contents/container to local and national regulations.

# NEWTON 103-S (Part B)

## High Performance Liquid Waterproofing Membrane

### OTHER HAZARDS

- Other hazards No Significant Hazard.

### 3. Composition/Information on Ingredients

#### SUBSTANCES

- 67/548/EEC / 1999/45/EC

Chemical name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Quartz Sand		14808-60-7	238-878-4		10 - 50%	
Portland Cement Clinker		65997-15-1	266-043-4		10 - 50%	Xi; R37/38-41-43
Fly Ash					1 - 10%	
Dolomite		16389-88-1	240-440-2		1 - 10%	
Silica Fume		69012-64-2	273-761-1		1 - 10%	
Glass Fibre Filler		65997-17-3			1 - 10%	
Hydrated Lime		1305-62-0	215-137-3		1 - 10%	Xi: R38-41

- EC 1272/2008

Chemical name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Quartz Sand		14808-60-7	238-878-4		10 - 50%	
Portland Cement Clinker		65997-15-1	266-043-4		10 - 50%	EUH203; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335;
Fly Ash					1 - 10%	
Dolomite		16389-88-1	240-440-2		1 - 10%	
Silica Fume		69012-64-2	273-761-1		1 - 10%	
Glass Fibre Filler		65997-17-3			1 - 10%	
Hydrated Lime		1305-62-0	215-137-3		1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318

#### MIXTURES

Not applicable.

### 4. First Aid Measures

#### DESCRIPTION OF FIRST AID MEASURES

- Inhalation** Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
- Eye contact** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
- Skin contact** Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
- Ingestion** Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

# NEWTON 103-S (Part B)

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### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Inhalation May cause irritation to respiratory system.
- Eye contact May cause irritation to eyes.
- Skin contact May cause irritation to skin.
- Ingestion Ingestion may cause nausea and vomiting.

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If you feel unwell, seek medical advice (show the label where possible).

## 5. Firefighting Measures

- Extinguishing media This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
- Special hazards arising from the substance or mixture None.
- Advice for firefighters Wear suitable respiratory equipment when necessary.

## 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures Avoid raising dust. Ensure adequate ventilation of the working area. Wear suitable protective equipment.
- Environmental precautions Do not allow product to enter drains. Prevent further spillage if safe.
- Methods and material for containment and cleaning up Clean the area using a vacuum cleaner. Transfer to suitable, labelled containers for disposal.
- Reference to other sections See SECTION 8: Exposure controls/personal protection, SECTION 13: Disposal considerations for further information.

## 7. Handling and Storage

- Precautions for safe handling Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
- Specific end use(s) Not applicable.



# NEWTON 103-S (Part B)

## High Performance Liquid Waterproofing Membrane

### 8. Exposure Controls/Personal Protection

#### CONTROL PARAMETERS

- Exposure limit values

Dolomite	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 4 WEL 15 min limit mg/m <sup>3</sup> :
Fly Ash	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 10 WEL 15 min limit mg/m <sup>3</sup> :
Glass Fibre Filler	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 15 WEL 15 min limit mg/m <sup>3</sup> :
Hydrated Lime	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m <sup>3</sup> : 5 WEL 15 min limit mg/m <sup>3</sup> : -
Portland Cement Clinker	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m <sup>3</sup> : 10 WEL 15 min limit mg/m <sup>3</sup> : - WEL 8-hr limit mg/m <sup>3</sup> : 4 WEL 15 min limit mg/m <sup>3</sup> : -
Silica Fume	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 4 WEL 15 min limit mg/m <sup>3</sup> :
Quartz Sand	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 0.1 WEL 15 min limit mg/m <sup>3</sup> :

#### EXPOSURE CONTROLS

- Appropriate engineering controls Ensure adequate ventilation of the working area.
- Individual protection measures Wear chemical protective clothing.
- Eye/face protection Approved safety goggles.
- Skin protection - Hand protection Wear suitable gloves.
- Respiratory protection Wear suitable respiratory equipment.

### 9. Physical and Chemical Properties

#### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- State Powder.
- Colour Grey.
- Odour Characteristic.
- Fat solubility Not determined.
- Partition coefficient Not determined.
- pH > 12
- Melting point Not applicable.
- Freezing point Not applicable.
- Boiling point Not applicable.
- Flash point Not applicable.
- Evaporation rate Not applicable.
- Flammability limits Not applicable.
- Vapour flammability Not applicable.
- Vapour pressure Not applicable.
- Vapour density Not applicable.



# NEWTON 103-S (Part B)

## High Performance Liquid Waterproofing Membrane

• Relative density	Not applicable.
• Autoignition temperature	Not applicable.
• Viscosity	Not applicable.
• Explosive	Not applicable.
• Oxidising	Not applicable.
• Solubility	= Miscible in water

### OTHER INFORMATION

None applicable.

## 10. Stability and Reactivity

• Reactivity	No data is available on this product.
• Chemical stability	Stable under normal conditions.
• Possibility of hazardous reactions	No Significant Hazard.
• Conditions to avoid	Contact with strong acids will produce an exothermic reaction. Keep away from moisture.
• Incompatible materials	Strong acids.
• Hazardous decomposition products	None.

## 11. Toxicological Information

• Information on toxicological effects	No data is available on this product.
• Toxicological information	No data available.

## 12. Ecological Information

• Toxicity	No data available.
• Persistence and degradability	No data is available on this product.
• Bioaccumulative potential	No data is available on this product.
• Mobility in soil	No data is available on this product.
• Results of PBT and vPvB assessment	No data is available on this product.
• Other adverse effects	No data is available on this product.

## 13. Disposal Considerations

• Waste treatment methods	Dispose of in compliance with all local and national regulations. EWC. 08 02 01 waste coating powders. Disposal of packaging. 15 01 10* packaging containing residues of or containing by dangerous substances
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## 14. Transport Information

• ADR/RID	The product is not classified as dangerous for carriage.
• IMDG	The product is not classified as dangerous for carriage.
• IATA	The product is not classified as dangerous for carriage.
• Further information	The product is not classified as dangerous for carriage.

# NEWTON 103-S (Part B)

## High Performance Liquid Waterproofing Membrane

### 15. Regulatory Information

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

- Regulations  
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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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

CHEMICAL SAFETY ASSESSMENT

Not required.

### 16. Other Information

OTHER INFORMATION

- Text of phrases in Section 3  
R37/38 - Irritating to respiratory system and skin. R38 - Irritating to skin.  
R41 - Risk of serious damage to eyes.  
R43 - May cause sensitisation by skin contact.
- Text of Hazard Statements in Section 3  
EUH203 - Contains chromium (VI). May produce an allergic reaction. Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage.  
STOT SE 3: H335 - May cause respiratory irritation
- Further information  
The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.