System 500

NEWTON 508

8mm Cavity Drain Membrane

Rev 2.0 - 09 May 2018

PRODUCT CODE - M1, M2, M1R,M2R & M3

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

Product identifier

- Product name: Newton 508
- Product code: M1, M2, M1R, M2R & M3

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture/article: 8mm cavity drain membrane for waterproofing applications

Details of the Supplier of the Material Safety Data Sheet

- Company Address: Newton Waterproofing Systems, Newton House, 17-20 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web: www.newtonwaterproofing.co.uk
- Email address of the competent person: info@newtonwaterproofing.co.uk
- Emergency telephone number: +44 (0)1732 360 095: 08:00/17:30 (GMT) Mon-Thur & 08:00/17:00 (GMT) Fri

2. Hazards Identification

- Refer to Section 16 for: The explanation of the abbreviations used throughout this MSDS; The full list of Hazard Phrases stated throughout this MSDS

2.1 Classification of the Product Identifier

- Classification under CLP: Not Classified; Not hazardous to health when stored, handled and used in compliance with the following sections here
- Most important adverse effects: If in a fire, melted material may adhere to skins and cause burns

2.2 Label Elements: N/A

2.3 Other Hazards

- PBT / vPvB: NDA
- Other Hazards: During wet and freezing weather conditions the surface of the membrane may become slippery to foot traffic; Manual handling hazards to be managed. These products are supplied in rolls - 2m to 2.5m long (the width of the 40m opened roll) and with weights ranging from 24.5kg to 41.8kg

3. Composition/Information on Ingredients

3.3 Article: Formed into sheets during production to achieve the designed Use, and in rolls sized for installation; Chemical family: HDPE

Hazardous Substances: NDA, see Section 2.1 above

NB: Please also refer to SECTION 8 Personal Protection / Exposure Controls

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4. First Aid Measures

4.1 Description of First Aid Measures

- General information: In case of persistent discomfort seek medical advice. For injuries when installing seek medical attention
- Skin contact: Wash cuts and apply bandage / plaster. Wash hands after use
- Eye contact: Treat as foreign body, irrigate with eye wash or clean water
- Ingestion: Remove from mouth, do not swallow
- Inhalation: No specific measures. Seek medical advice if necessary

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Skin contact: Risk of cuts from the edge of the membrane when profile cutting it to fit
- Eye contact: NDA
- Ingestion: NDA
- Inhalation: NDA
- Delayed / immediate effects: NDA

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Immediate / special treatment: NDA

5. Fire-Fighting Measures

5.1 Extinguishing Media Water, foam, dry chemical media

5.2 Special Hazards Arising from the Material

If product combusts, water, carbon dioxide, carbon monoxide (in case of oxygen deficiency) and other organic compounds can be produced. At the beginning of the combustion (especially between 400°C-700°C) it may also generate hydrocarbons and aldehydes (acetic acid and crotonic acid)

5.3 Advice for Firefighters Wear breathing apparatus in confined spaces. Wear protective clothing to protect against burns

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear cut resistant gloves when cutting the membrane. Always lay the membrane on a firm surface when cutting and cut away from self or other persons

6.2 Environmental Precautions Prevent the entry of HDPE particulates or remnants into the soil, surface water or groundwater. Sweep up and bag for disposal to recycling

6.3 Methods and Materials for Containment and Cleaning Up

Always cut the membrane in a location where any particulates, off-cuts, remnants, etc. can be contained, collected up and bagged for disposal to recycling

6.4 Reference to Other Sections Refer to Section 8 of the MSDS

7. Handling and Storage

7.1 Precautions for Safe Handling

a. Safe handling: Manual Handling - Refer to Section 2.3 Other Hazards above. Move using mechanical method or 2-person carrying. Comply with safe Manual Handling instructions and methods

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Wear work gloves when handling against cuts from the edge, especially along the cut edge of a part roll

Do not eat, drink or smoke when handling. Wash hands after using the material

b. Prevention of handling incompatible substances or mixtures

Do not handle other substances or mixtures at the same time. Keep away from other substances and mixtures

c. Operations and conditions that could create new risks

Ensure the rolls, including part rolls are securely tied / taped around against opening during movement by personnel and during transport

Rolls to be securely placed in vehicles against falling onto other contents of the vehicles and onto personnel when opening the vehicles

Should be noted when the product is handled and pneumatically transported (e.g. road vibration): VDI guideline 3673, 2263 (German - dust explosions). Fine particle material (< 0,125 mm) should not be allowed to accumulate, particularly when transported

The product contains combustible polymers. The relevant fire protection measures thus apply

d. Reduce risk of release to the environment

NDA

7.2 Conditions for Safe Storage, Including Any Incompatibilities

a. Storage conditions

Store the rolls on end in the upright position and securely tied / taped / wrapped against opening. Store in an allocated area walling / fencing / etc. around against the risk of falling onto personnel or other items, or to block passageways

Protect from sources of ignition, see Section 9 Physical & Chemical Properties - Melting Point

b. Control of the effects of weather, ambient pressure, temperature, sunlight, humidity and vibration

N/A, but best practice requires storage in a well ventilated area and away from direct sunlight and sources of ignition

c. Storage with other substances and mixtures

Store in an allocated area, and not mixed with or touching other materials

d. Storage room design, quantity limits, ventilation and packaging compatibilities

Storage room to be dry, cool, well ventilated, and protected from direct sunlight

e. Other considerations

Use of the stock must be by manufacturing date or expiry date or receipt date rotation, use the oldest first

Ensure identification labelling is visible at all times

7.3 Specific End Use(es) Cavity drain membrane for waterproofing applications

8. Exposure Controls / Personal Protection

8.1 Control Parameters N/A, Not listed on the HSE EH40 Workplace Exposure Limit Table.

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls N/A

8.2.2 Personal Protective Equipment

a. Eye / face protection

Safety glasses with side protection EN166 when cutting to fit and when drilling to attach to walls. Ensure eye bath facilities are available

b. Skin protection

(i) Hand Protection	
Material of gloves	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC, this being repealed by EU 2016/425 on 21/04/2018, and the resultant standard EN 374
	The selection of the suitable gloves does not only depend upon the material, but also further marks of quality and varies from manufacturer to manufacturer
	Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case
	Gloves must be inspected prior to each time used and must be replaced when damaged or worn out
	Gloves to protect against cuts when cutting and forming the membrane and abrasions, and to be suitable for protection against mortar if also laying brickwork, block-work, etc
Penetration time of gloves	N/A regarding the 508 membrane
(ii) Other	Protective clothing
	Safety shoes / boots / safety helmet when carrying the membrane and when positioning to fix to walls - comply with site rules
	Good hygiene measures should be followed at all time
c. Respiratory protection	N/A
d. Thermal hazards	N/A, no sources of ignition (see Section 7)

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance	
(i) State	Solid sheet in roll form and film
(ii) Colour	Various
• Odour	Essentially odourless
• Odour threshold	NDA
• pH in g/l H_2O	NDA
• Melting point/range °C	ca. 130°C
• Freezing point/range °C	NDA
• Initial boiling point/range °C	NDA
• Flash point/self-ignition °C	+/- 340˚C
• Evaporation rate	NDA
• Flammability (solid, gas)	NDA
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Auto flammability °C	NDA
• Decomposition temperature	NDA
• Explosive properties	NDA
• Oxidising properties	NDA
• Vapour pressure	N/A
• Vapour density	NDA
• Relative density	956 kg/cm^3

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- Solubility in water — Insoluble
- Partition coefficient n-octanol/water — NDA
- Also soluble in — NDA
- Viscosity — N/A
- VOC g/l — N/A
- Explosive limits — upper n. a. Vol. %
lower n. a. Vol. %

9.2 Other Information — **N/A**

10. Stability and Reactivity

10.1 Reactivity — Not known

10.2 Chemical Stability — Chemically stable

10.3 Possibility of Hazardous Reactions — None

10.4 Conditions to Avoid — Direct heat / naked flame, strong oxidising agents

10.5 Incompatible Materials to Avoid — N/A

10.6 Hazardous Decomposition Products — At ambient temperature - not known. At temperature above 300°C some degree of thermal degradation will occur, including the possible creation of airborne particulates

11. Toxicological Information

11.1 Information on Toxicological Effects

- Acute toxicity — According to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations

12. Ecological Information

12.1 Ecotoxicity — Not readily biodegradable. Particulates are not to be allowed to enter drains or water courses

12.2 Persistence and Biodegradability — NDA

12.3 Bioaccumulative Potential — NDA

12.4 Mobility in Soil — NDA

12.5 Results of PBT & vPvT Assessment — NDA

12.6 Other Adverse Effects — NDA

13. Disposal Considerations

13.1 Waste Treatment Methods

- Recovery operations — Treat as SECTION 6: Accidental Release Measures
- Disposal operations — Recycle uncontaminated material as HDPE waste, alternatively at approved waste collection sites as landfill or incinerate
- Disposal of packaging — Plastic bag on delivered rolls when sent by National Carrier, otherwise by dedicated van with bag to rolls

  Recycle or dispose of in accordance with appropriate government and local regulations

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- Waste code number — N/A
- Special precautions for the disposal method — NDA

NB — The user's attention is drawn to the existence of regional and national regulations regarding recycling and disposal of plastic waste

14. Transport Information

- Transport — The material is not hazardous for transport by sea, air and road/rail

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

COMMISSION REGULATION (EU) No 2015/830 of 28/05/2015 amend Regulation (EC) No 1907/2006 and repealing (EU) 453/2010 20 May 2010 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.

15.2 Chemical Safety Assessment — NDA

16. Other Information

Other Information — This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Phrases Used in Sections 2 & 3 — N/A

Notice — The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties. 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.

Abbreviations & Acronyms

MSDS: Material Safety Data Sheet

N/A: Not Applicable

NDA: No Data Available

HDPE: High density polyethylene

Changes Compared to the Previous Version

An asterisk (*) to the left side indicates that there is a change to the previous version

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