

System 500

NEWTON SYSTEM 500

Cavity Drain Membranes

Rev 1.0 - 17 October 2017

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

1. Identification of the Chemical/Substance and Company

- Tradename
Newton 503, Newton 503 Mesh, Newton 508, Newton 508R, Newton 508 eco Floor, Newton 520 eco
- Chemical composition
HDPE
- 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
tech@newtonwaterproofing.co.uk
- Emergency telephone number
+44 (0)1732 360 095
9am - 5pm (GMT) Mon - Fri

2. Possible Hazards

- Classification of the substance or mixture
According to Regulation CEE 1999/45, 67/548 and EC 1907/2006 polyethylene are belong to non-toxic

3. Composition

- Main component of the substances
HDPE

4. First Aid Measures

- General information
In case of persistent discomfort seek medical advise
- Inhalation
In case of irregular breathing or respiratory arrest take the artificial respiration. Remove to fresh air and seek medical attention
- Skin contact
For thermal skin burns seek medical attention
- Eye contact
No specific measures. Seek medical advice if necessary
- Ingestion
No specific measures. Seek medical advice if necessary

5. Fire Fighting Measures

- Special hazards from the substance or mixture
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 generate also the Hydrocarbons and aldehydes (acetic acid and crotonic acid)
- Extinguishing media
Water, foam, dry chemical media

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6. Accidental Release Measures

- Precautions for people No specific measures necessary
- Environmental precautions Prevent the entry of HDPE granulate in the soil, surface water or groundwater

7. Handling and Storage

- Instructions for handling Should be noted when the product is handled and pneumatically transported: VDI guideline 3673, 2263 (Germany). Fine particle material (< 0,125 mm) should not be allowed to accumulate, particularly when transported pneumatically. The product contains combustible polymers. The relevant fire protection measures thus apply.
- Measures against fire and explosion Not applicable
- Storage Store away from smoking and flames

8. Exposure Controls/Personal Protection

- General instruction on the protection and hygiene No further data
- Personal protection No respirator, no goggles, no gloves, no further equipment required

9. Physical and Chemical Properties

- Appearance Sheet and film
- Color Diverse
- Odor Essentially odorless
- Melting Point c a. 130°C
- Density 956 kg/m³
- Vapour pressure n.a.
- Solubility in water Insoluble g/l
- pH in g/lH₂O n.a.
- Flash point +/- 340 °C
- Explosive limits untere n. a. Vol. %
obere n. a. Vol. %

10. Stability and Reactivity

- Thermal decomposition With normal handling and storage the product is stable. At temperature above 300°C some degree of thermal degradation will occur
- Materials to avoid Strong oxidizing agents
- Hazardous reactivity Not known
- Hazardous decomposition products At ambient temperature – not known

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11. Toxicological Information

- Toxicology In our experience and 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

- Ecology Material is not readily biodegradable. Material is not expected to be harmful to aquatic organisms

13. Disposal Considerations

- Waste disposal Dispose of in accordance with appropriate government and local regulations

14. Transport Information

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

15. Regulatory Information

- Regulations According to GeStoffV (Germany) from 1986.08.26 the material is not hazardous

16. Other Information

- Other information Existing laws and definitions have to be respected from the consignee of our products