

System 400

NEWTON 410 GEODRAIN

Externally Applied Drainage Membrane

Rev 1.0 - 11 November 2015

PRODUCT CODE - M18

1. Identification of Chemical/Substance and Company

- Trade name Newton 410 GeoDrain
- Chemical composition HDPE
- Company Address Newton Waterproofing Systems, Newton House, 17-19 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
9am - 5pm (GMT) Mon - Fri

2. Hazardous Ingredients

- 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 substance HDPE

4. First Aid Measures

- General information In case of persistent discomfort seek medical advice
- Inhalation In case of irregular breathing or respiratory arrest use artificial respiratio. 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

EXTINGUISHING MEDIA

- Suitable extinguishing agents Water, foam, dry chemical media
- Special hazards arising 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)

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6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures
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 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
ca. 130°C
- Density
956 kg/m³
- Vapour pressure
n.a.
- Solubility in water
Insoluble g/l
- pH in g/IH₂O
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

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.