

## 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](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. 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/m<sup>3</sup>
- Vapour pressure  
n.a.
- Solubility in water  
Insoluble g/l
- pH in g/IH<sub>2</sub>O  
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