

## System 500

## NEWTON FIBRAN XPS 500-C

## Closed-Cell Slotted Insulation Board

Rev 1.0 - 4 September 2015

PRODUCT CODE - 500C

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

- Product name Newton Fibran XPS 500-C
- Description Closed-cell slotted insulation boards of extruded polystyrene foam (XPS).
- 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 OR MIXTURE

Non-classified according to the criteria of Regulation (EC) 1272/2008 (CLP).

### LABEL ELEMENTS

None according to the above classification.

### OTHER HAZARDS/POTENTIAL HEALTH EFFECTS

- Inhalation Temporary irritation of the respiratory system may result from prolonged exposure to filings emerging from further mechanical treatment of the product in excess of applicable exposure limits. In case of burning (fire), smoke with odor is released which when inhaled irritates the respiratory tracts.
- Skin contact No effect.
- Eye contact Temporary irritation (itching) or redness may result from prolonged exposure to filings emerging from further mechanical treatment of the product.
- Ingestion Ingestion of the product is unlikely to occur under normal conditions of use. Nevertheless if it happens (filings) no serious effects are expected.

## 3. Composition/Information on Ingredients

- Chemical description Article. The product consists of solidified polystyrene foam and for its formation, apart from crystal clear general purpose polystyrene (GP-PS), suitable physical blowing agents are used as well as small quantities of enhancing additives like colorant and flame retardant. Not ingredient presents a health or environmental hazard within the meaning of Regulation (EC) 1272/2008.

## 4. First Aid Measures

### DESCRIPTION OF FIRST AID MEASURES

- Inhalation If irritation occurs, remove the affected person to fresh air. Provide water to drink and clear nose to clear filings and dust. If irritation persists, consult a physician.

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- Eye contact Do not rub eyes. Flush with plenty of water. Consult a physician if irritation persists.
- Ingestion Rinse mouth with plenty of water to remove filings. Drink plenty of water to help avoid potential gastrointestinal irritation.

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

See Section 2.3.

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

None.

## 5. Firefighting Measures

- Extinguishing media All - water, foam, dry powder, carbon dioxide. There are no objections in the use of any typical fire extinguishing media.
- Special hazards arising from the substance or mixture Apart from carbon dioxide and water vapour, other gases may be released upon combustion of the product that may be toxic or corrosive like carbon monoxide and hydrogen fluoride as well as traces of other halogenated or not substances.
- Advice for firefighters Observe normal firefighting procedures. When the product burns in closed or inadequately ventilated space, use of self-contained or supplied-air respiratory equipment is necessary.

## 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures Remove open ignition sources.
- Environmental precautions Collect large pieces and scoop up any filings.
- Methods and material for containment and cleaning up Brooms and suction devices (for filings).
- Reference to other sections XPS waste can be disposed of according to the provisions in Section 13.

## 7. Handling and Storage

- Handling Unpack at application site only and avoid unnecessary handling of the product. Keep work areas clean if possible.
- Storage Keep the material in its original packaging until it is to be used. Protect the product from prolonged (several months) exposure to direct sunlight and from open flame.

## 8. Exposure Controls/Personal Protection

### EXPOSURE LIMIT VALUES

- Exposure limits Follow all applicable exposure limits to filings/particles. Where feasible, general dilution ventilation or local exhaust ventilation should be used if necessary to keep exposure below these limits. Filing collection/removal systems should be used in cutting or machine operations.  
According to 91/332 EEC and 96/94 EC directives, recommended exposure limits or 5 mg/m<sup>3</sup> for respirable particulate and 10 mg/m<sup>3</sup> for inert dust and particulated not otherwise regulated.

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### PERSONAL PROTECTION

- Eyes Use eye protection in places with intense presence of product filings.
- Respiratory (in case of further treatment of the boards)  
If the filings produced exceed the exposure limits, wear suitable protective equipment like disposable facemasks type 3M 9310 or equivalent.

## 9. Physical and Chemical Properties

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- Appearance Green boards.
- Odour Odourless.
- Melting point Above 180 °C.
- Boiling point Not applicable.
- Flash point Not applicable.
- Flammability Slow burning.
- Autoignition temperature Not applicable.
- Explosion limits (upper/lower) Not applicable.
- Vapour pressure Not applicable.
- Density 28-38 kg/m<sup>3</sup>
- Solubility in water Insoluble.
- Viscosity Not applicable.

## 10. Stability and Reactivity

- Chemical stability Stable under recommended storage and usage conditions.
- Conditions to avoid Exposure to fire.
- Incompatible materials Organic solvents, strong acids, sodium hypochlorite.
- Hazardous decomposition products The combustion products of the material (see Section 5.2).

## 11. Toxicological Information

- Acute toxicity None.  
XPS filings can cause temporary irritation in the eyes and in the upper respiratory tract (nose and throat). This is a mechanical reaction of the human body to the particles, generally abating within a short time after the end of exposure.
- Chronic toxicity There are no relevant indications.

## 12. Ecological Information

- Ecotoxicity The product is not expected to cause harm to animals and plants or to fish and other aquatic species.
- Degradation The product may suffer gradual surface degradation due to photolytic processes during prolonged sun exposure.
- Other adverse effects XPS production uses third generation physical blowing agents that have no toxic effects and have zero Ozone Depletion Potential (ODP=0) and low total Global Warming Potential (GWP).

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### 13. Disposal Considerations

- Waste treatment methods XPS products do not produce hazardous waste. Dispose waste material according to local regulations. If it is free of foreign material it can be sent for recycling.

### 14. Transport Information

There is no UN number for XPS products and they are not classified as a hazardous material to transport.

### 15. Regulatory Information

Regulation (EC) No 1907/2006 [REACH]: This product is an Article.

### 16. Other Information

The information contained herein is to our best present knowledge correct and complete. However, no warranty is expressed or implied regarding the accuracy of the data. As the working conditions of the users are beyond our knowledge and control, it is always their responsibility to take all the necessary measures to fulfil the demands on safety matters, laid down in national regulations and legislation.