CALDER INDUSTRIAL MATERIALS LTD

SAFETY DATA SHEET FOR

GEOTEC 220 PY

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:

1.1 Product identifier

PRODUCT NAME: GEOTEC 220 PY **Reference.** DOCSH024 **Issue Number** 7 **January 2015**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Description: Metal Roofing Underlay

1.3 Details of the supplier of the safety data sheet

SUPPLIER:

Calder Industrial Materials Limited
Jupiter Drive
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Chester CH1 4EX
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Fax: + 44 (0) 1244 389 191
www.calderlead.co.uk

1.4 Emergency telephone number + 44 (0) 1244 390 093 8.30am-5.00pm Mon-Fri

2. HAZARDS IDENTIFICATION:

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 The product is made by converting a blend of polyester fibres to a Needlepunched felt by mechanical entanglement. No other materials are added to the product in process.

2.2 100% of the product consists of Polyester Terephthalate staple fibre (CAS 25038-59-9). It may also contain up to 0.5% of fibre finish (blend of non-ionic and ionic surfactants and anti-static agents).

4. FIRST AID MEASURES:

4.1 No special hazards known. The material is unlikely to cause significant hazard under normal conditions of use.

4.2 Eye: If irritation develops, flush eyes with running water for 15 minutes. If discomfort continues, seek medical attention.

4.3 Skin: If irritation develops, wash affected area with soap and water. If discomfort continues, seek medical attention.

4.4 Ingestion: Wash out mouth with water to remove any fibre. If a large amount has been swallowed induce vomiting and seek medical attention.

4.5 Inhalation: If processing vapour occurs and irritation develops, remove person to fresh air. If discomfort persists, seek medical attention.

5. FIRE FIGHTING MEASURES:

5.1 Very low fire hazard.
During burning, polyester will produce high levels of heat and may generate dense smoke.
At complete combustion the major products formed are carbon dioxide and water. Decomposition products will also be present at much smaller concentrations.

5.2 Extinguishing Media
As appropriate for surrounding materials and equipment. Any type of fire extinguisher can be used (water, CO_2, halon, dry powder, etc.).

5.3 Exposure Hazards
Observe general fire precautions; i.e. do not inhale combustion gases.

5.4 Special Protective Equipment for Fire Fighters
Use self-contained breathing apparatus when fire occurs in a confined area. The use of a solid water jet to tackle any fire is not recommended in the early stages of the fire as this might help to spread the flames.

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6. ACCIDENTAL RELEASE MEASURES:

6.1 *Personal precautions*
No special precautions required. Sweep or suck up product spilled or released in accordance with good housekeeping practices. Spillages of the material on the floor should be swept up immediately as the product can be slippery by nature.

6.2 Dispose of the product in accordance with Section 13.

7. HANDLING AND STORAGE:

7.1 No special measures are needed to protect against fire or explosion. For optimum quality of the product during storage keep in a cool, dry, dark area.

7.2 Dust: Operations that cause the generation of fibre dust should be controlled such that the appropriate exposure standards for nuisance dusts are not exceeded. Where operating procedures specify it or where there is insufficient ventilation suitable respiratory equipment should be used.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

8.1 Appropriate protective clothing should be worn, depending on the nature of the product processing.

8.2 When handling the product in cold processing, suitable eye protection should be worn.

8.3 As in all areas where prolonged handling or melting of the material is carried out gloves should be worn to prevent thermal or mechanical injury.

9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Polyethylene Terephthalate staple fibre (CAS 20538-59-9)

State	Fibrous
Colour	White (ecru)
Odour	None
pH	Not applicable
Melting point	Approx. 260ºC
Boiling point	Not applicable
Flash point	Not applicable
Autoignition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Solubility (in water)	Insoluble
Solubility (in other)	Certain aromatic hydrocarbons e.g. metacresol
Decomposition temperature	>260ºC
Density	1.32 – 1.38 g/cc
Explosion hazard	No data available

10. STABILITY AND REACTIVITY:

10.1 Stability – This product is stable at room temperature and does not decompose or self-react when stored under these conditions. Only at extreme temperature above the decomposition temperature will degradation occur.

10.2 Incompatible materials – None.

11. TOXICOLOGICAL INFORMATION:

11.1 Irritating effects on skin – Non irritant.

11.2 Irritating effects in eyes – Non irritant.

12. ECOLOGICAL INFORMATION:

12.1 Polyester fibres are generally considered biologically inert with a very low UV degradability. Polyester is insoluble in water and evolves no gases or leakages known to pollute water resources. There is currently no information that this material poses a risk to the environment.

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13. DISPOSAL CONSIDERATIONS:

13.1 Typically waste product can be disposed of by:-
Incineration in an authorised plant
Approved landfilling
Recycling for non-food applications

13.2 In all cases local and national regulations on waste disposal should be followed.

14. TRANSPORT INFORMATION:

14.1 No special arrangements are required for the safe transport of this material and is not classified regarding the transportation of dangerous goods.

15. REGULATORY INFORMATION:

15.1 This product is not classified as a dangerous substance in accordance with the European Directive 1999/45/EC and therefore does not require a hazard warning label.

16. OTHER INFORMATION:

16.1 This Data Sheet was prepared in accordance with the European Regulation No. 1907/2006. This information is based on the current knowledge of Calder Industrial Materials Limited and is not intended to guarantee specific properties for the fibre or its suitability in particular applications. In all cases it is the responsibility of the user to determine the applicability of this information for their own intended use.

The contents of this data sheet are not warranted to be accurate or complete and the Company can accept no liability to any customer, their employees or any other person whatsoever for any loss, injury or damage whether direct or consequential which may be caused by any error or omission from this sheet whether such error or omission is negligent or otherwise.