102/24

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MSDS/Polyester
Issue Date: 5/27/14
Reviewed : 1/03/14
Page 1 of 2

Material Safety Data Sheet

POLYESTER: Staple fiber, tow, filament yarn, threadwaste, polymer

1. **PRODUCT IDENTIFICATION:**
Polyester is a family of fiber products having similar hazard and physical property characteristics. These products are made from polyethylene terephthalate polymer and one or more surface finishes.

2. **HEALTH HAZARD DATE:**
Non toxic. This product is not listed by OSHA, NTP, or IARC as a carcinogen.

3. **REACTIVITY DATE:**
There are no known physical or health hazards associated with this product, as defined in the code of Federal Regulations, Title 29, and Part 1910, 1200. The polymer immobilizes the constituents of the polymer system (delusterants, catalyst residues, etc) which, therefore, presents no likelihood of exposure under normal conditions of processing and handling. However, exposure to chemical substances may occur as a result of processing these fibers. Processing may release and aerosolize the residual moisture and surface finishes. Heating the fibers may volatilize the finishes or produce a chemical change. William Barnet & Son recommends maintaining finish mist below the OSHA standard of 5 mg/m3.

4. **PHYSICAL CHEMICAL DATA:**
Polyethylene terephthalate is chemically stable and resistant to attack by oils, solvents, weak acids and weak alkalis.

MSDS/Polyester
Issue Date: 5/27/91
Reviewed : 1/03/12
Page 2 of2

5. FIRE AND EXPLOSION:

Polyester will burn if exposed to flame. Decomposition products generated from molten polymer may be subject to auto ignition. Combustion products will be comprised of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion. Firefighters should protect themselves from decomposition and combustion products that may include carbon monoxide and other toxic gases.

6. CONTROL MEASURES:

Adequate ventilation is recommended to maintain finish mist levels below 5 mg/m3. Customary personal hygiene measures, such as washing hands after working with such fibers, are recommended. Use of safety glasses and gloves, and standing to one side when cutting bale wires is advised.

7. SPILL, LEAK, AND DISPOSAL:

These products are not classified as hazardous wastes under the Resource Conservation and Recovery Act and, unless prohibited by state of local regulation, can be disposed of in a municipal landfill or incinerated. These fibers are not classified by the Department of Transportation as a hazardous material.

8. INFORMATION CONTACT:

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Technical Service Manager

To the best of our knowledge, the information contained herein is accurate. However, neither William Barnet & Son nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

STEIN FIBERS, LTD.

Specialists in Synthetic Fibers

MATERIAL SAFETY DATA SHEET
STYLE 101-00651
6 Denier 51MM Polyester Staple

PRODUCT IDENTIFICATION

Polyester staple is a family of products made from polyethylene therephthalate and one or more surface finishes (organic lubricants).

HAZARDOUS INGREDIENTS

There are no known physical or health hazards associated with this product.

The polymer immobilizes the constituents of the polymer system (delusterants, catalyst residues, etc.) which, therefore, present no likelihood of exposure under normal conditions of processing and handling.

However, exposure to chemical substances may occur as a result of processing these fibers. Processing may release and aerosolize the residual moisture and surface finishes. Heating the fibers may volatilize the finishes or produce a chemical.

PHYSICAL – CHEMICAL DATA

Polyethylene terephthalate is chemically stable and resistant to attack by oils, solvents, weak acids and weak alkalis. The polymer melts at about 500 degrees F (260 degrees C).

PHYSICAL HAZARDS

The polymer will burn if exposed to flame. Decomposition products generated from molten polymer may be subject to autoignition. Combustion products will be comprised of carbon, hydrogen oxygen. The exact composition will depend on the conditions of combustion.

HEALTH HAZARDS

Similar products have given no indication that health problems would occur in normal handling and use.

CONTROL MEASURES

Fire fighters should protect themselves from decomposition and combustion products that may include carbon monoxide and other toxic gases.

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