

**SECTION I - PRODUCT IDENTIFICATION**

Trade Name: **Airweave® N10**  
Product Class: Polyester Staple  
Supplier: **Airtech International, Inc.**  
5700 Skylab Road  
Huntington Beach, CA 92647  
Telephone: 714-899-8100  
Fax: 714-899-8179

Emergency Telephone: **800-424-9300**

**Airweave® N10** is a family of fiber products having similar hazard and physical property characteristics. These products are made from polyethylene terephthalate polymer (CAS# 25038-59-9) and one or more surface finishes applied at <1 % total weight of fiber.

**SECTION II - HAZARDOUS INGREDIENTS**

There are no known physical or health hazards associated with this product. In skin tests on human subjects, the fibers produced no irritation or sensitization.

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 residual moisture and surface finishes. Heating the fibers may volatilize the finishes or produce a chemical change. The manufacturer recommends a 3 mg/m<sup>3</sup> 8-hour TWA exposure limit on finish mists.

**SECTION III - PHYSICAL DATA**

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

**SECTION IV - FIRE AND EXPLOSION DATA**

**Airweave® N10** 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 and oxygen. The exact composition will depend on the conditions of combustion.

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

**SECTION V - HEALTH HAZARD DATA**

Results from toxicity studies suggest that these fibers would pose no significant health problems under normal conditions of handling and use.

**SECTION VI - REACTIVITY DATA**

Polyethylene terephthalate is chemically stable and resistant to attack by oils, solvents, weak acids and weak alkalis.

**SECTION VII - SPILL, LEAK, DISPOSAL PROCEDURE**

These products are not classified as hazardous wastes under the Resource Conservation and Recovery Act and, unless prohibited by state or local regulation, can be disposed of in a municipal landfill or incinerated. Any finish oils contained in plant waste water should be biological wastewater treatment systems.

These fibers are not classified by the Department of Transportation as a hazardous material.

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

Adequate ventilation is recommended to maintain finish mist levels below 3 mg/m<sup>3</sup> 8-hour TWA.

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.

**USER'S RESPONSIBILITY**

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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