



DuPont Nonwovens

Sontara[®] Technologies



**SONTARA
SPUNLACED
FABRICS**

**MATERIAL
SAFETY
DATA SHEET**



DuPont Sontara[®] Technologies

Chemical Product/ Company Identification

Material Identification

- Sontara Spunlaced Fabric
- Sontara Polyester Fabric
- Sontara Woodpulp/Polyester Fabric
- Sontara Rayon/Polyester Fabric

Company Identification

Manufacturer/Distributor
E. I. du Pont de Nemours & Co., Inc.
1007 Market Street
Wilmington, DE 19898

Phone Numbers

Product Information: 1-800-441-7515
Transport Emergency: 1-800-424-9300
Medical Emergency: 1-800-441-3637

Hazards Identification

Potential Health Effects

Patch tests and USP biocompatibility testing show no adverse health effects.

Emergency Overview

A white or dyed polyester or polyester/cellulosic fabric with no odor. Low hazard for usual industrial or commercial handling.

Carcinogenicity Information:

None of the components at concentrations equal to or greater than 0.1% in this material is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Composition/Information on Ingredients

STYLE	COMPONENTS	%	CAS NO.
80XX	Polyethylene Terephthalate (polyester)	100	25038-59-5
81XX	Polyethylene Terephthalate (polyester)	100	25038-59-5
84XX	Polyethylene Terephthalate (polyester)	30	25038-59-5
	Regenerated Cellulose (rayon)	70	68442-85-3
88XX	Polyethylene Terephthalate (polyester)	45	25038-59-5
	Woodpulp Fibers (chemically digested)	55	NA
F8XX	Same as 88XX but has added finish for repellency that has been toxicologically tested and found to have no adverse effects.		

X is variable for color, weight, pattern, etc. and percentages are based on weight.

First Aid Measures

Inhalation

No specific treatment should be indicated. If exposed to excessive levels of fly or dust, remove to fresh air and get medical attention if cough or other symptoms persist.

Eyes

Immediately flush eyes with plenty of water. Get medical attention.

Skin

Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion

No specific intervention indicated. Seek medical advice if necessary.

Fire Fighting Measures

Flammable Properties

- Flashpoint: not applicable. Material will burn in a fire.
- Lower Explosive Limit: not applicable.
- Upper Explosive Limit: not applicable.
- Autoignition Temperature: greater than 300 degrees C.
- Hazardous Combustion Products: In sufficient oxygen the products of combustion are carbon dioxide and water. In insufficient oxygen some toxic gases are produced including carbon monoxide.
- Unusual Fire and Explosion Hazards: Accumulation of fiber dust and fly at

sufficient concentrations could present a fire hazard.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2

Fire Fighting Instructions

Wear self-contained breathing apparatus (pressure demand MSHA/NIOSH approved or equivalent) and full protective gear.

Accidental Release Measures

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT.

Spill Clean-up

Vacuum, shovel, wash or pick up material and place in appropriate container.

Handling and Storage

Handling (Personnel)

Avoid breathing hot vapors, oil mists and airborne fibers.

Storage

Store rolls and bales in accord with good material handling practice.

Exposure Controls/ Personal Protection

Engineering Controls

Ventilation: Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

- Eye Protection: Wear safety glasses.
- Skin Protection: Fabrics being processed at high speeds can cause abrasions or cuts, and can form nips with rolls, etc. It is good industrial hygiene to minimize contact.
- Respiratory Protection: None should be needed.

Exposure Guidelines

None established

Physical and Chemical Properties

Physical Data

- Odor : Odorless
- Form : Fabrics, Solid
- Specific Gravity : (Water=1) 0.1 - 0.3
- Vapor Density : Not Applicable
- Melting Point : = or > than 250 C
- Appearance : Fabric like
- pH : Not Applicable
- Vapor Pressure : Not Applicable
- Boiling Point : Not Applicable
- Solubility in water : Negligible

Stability and Reactivity

Chemical Stability

Stable.

Conditions To Avoid

Temperatures above 200 degrees C will cause decomposition in the presence of oxygen.

Incompatibility With Other Materials

Incompatible or can react with strong oxidizer, base or acid.

Decomposition

Hazardous decomposition products: carbon dioxide, carbon monoxide and low MW oxygenated organics.

Polymerization

Polymerization will not occur.

Toxicological Information

Animal Data

Saline and cottonseed oil extracts showed no toxicity when injected into rabbits at low dosage.

Ecological Information

Ecotoxicological Information

The polyester is stable in the environment and the cellulose can be microbiologically degraded like natural products. The products of incineration with sufficient oxygen are water and carbon dioxide.

Disposal Considerations

Waste Disposal

- Dispose as a nonhazardous waste in a licensed facility.
- Treatment, storage, transportation and disposal must be in full accordance with applicable Federal, State/Provincial and local regulations.

Transportation Information

Shipping Information

- DOT: not regulated.
- International Civil Aviation Organization (ICAO) Classification: not regulated.
- International Maritime Dangerous Goods (IMDG) Classification: not regulated.

Shipping Information—Canada

TDG Class: not regulated.

Regulatory Information

U.S. Federal Regulations

- OSHA (USA) hazardous chemical(s) according to 29 CFR 1910.1200: Sontara is considered a non-hazardous material under provisions of the Hazard Communication Standard. This MSDS should not be required but is provided to customers as a service.

- U.S. Toxic Substances Control Act (TSCA): Sontara is considered an article under provisions of TSCA. All nonexempt chemical components are included in the TSCA inventory of chemical substances compiled by the U.S. EPA.

- Chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372 (USA): none.

State Regulations

- Material(s) known to the State of California to cause cancer or adverse reproductive effects: none.
- New Jersey and Pennsylvania Hazardous Substance Lists: some of the fibers contain small amounts of titanium dioxide which is listed.

Other Information

NFPA, NPCA-HMIS

NFPA Rating

Health : 0
 Flammability : 1
 Reactivity : 0

NPCA-HMIS Rating

Health : 0
 Flammability : 1
 Reactivity : 0

Additional Information

CAUTION: DO NOT USE IN MEDICAL APPLICATIONS INVOLVING THE PERMANENT IMPLANTATION IN THE HUMAN BODY.

Ozone Depleters: This product does not contain and is not made with ozone depleting substances listed in either Class I or Class II of the Clean Air Act Amendments of 1990.

Data in this Material Safety Data Sheet relates only to the specific materials designated herein and not to use in combination with any other material or in any process.

Responsibility for MSDS:

J. T. Summers
 DuPont Nonwovens
 Old Hickory, TN 37138
 U.S.A.
 Telephone: 615-847-6378

SONTARA® is a registered trademark of the DuPont company for its brand of spunlaced fabrics. It is a member of the DuPont Nonwovens offering.

SONTARA® products are manufactured under an ISO 9000 Series registration.



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