



## Typical Physical Properties

### Elite

#### Spunbond Polypropylene

Product Identification	Fiber	Weight	Tensile Strength MD/CD	Tear MD/CD	Elongation	Flammability
Elite 50 White #49614	Polypropylene	.5 osy	11.2/9.0 lbs/in	13/18 lbs/in	70/70%	SE
Elite 100 White #49620	Polypropylene	1.0 osy	85.5/49.4 N	Fuzzy	87.3/74.4%	SE
Elite 125 White #49634	Polypropylene	1.25 osy	90/108 N	33/39 N	80/90%	SE
Elite 125 Black #49640	Polypropylene	1.25 osy	110/80 N	4.60 N	15/22% (@44 n)	SE
Elite 225 White #49668	Polypropylene	2.25 osy	152.5/111.4 N		66.9/70.3%	
Elite 250 Black #49638	Polypropylene	2.50 osy	250/200 N/2.5cm	85/100 lbs/in		
Elite 350 Black #49642	Polypropylene	3.50 osy	360/320 N	92/104 N	3/6% @ 45 N	

7/21/2005

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2042 FAIRGROVE CHURCH ROAD SE · P.O. BOX 490 · NEWTON, NC 28658

828/469-2000 · FAX 828/469-2022



## ELITE

### Material Safety Data Sheet

#### 1. Chemical Product and Company Identification

Product Name: Polypropylene Nonwoven or Polypropylene/Meltblown Nonwoven with or without wetting agent.

Synonyms: Spunbonded Nonwoven or Meltblown Nonwoven with or without wetting agent.

Chemical Family: Polymerized Propylene

#### 2. Composition/Information on Ingredients

This product is not hazardous as defined in 29 CFR 1910.1200

Polypropylene, CAS # 9003-07-4.....>98.0%

#### 3. Hazards Identification, TLV's

Eye contact.....particles may scratch eye surfaces  
due to mechanical irritation

Skin Contact.....low order of toxicity

Inhalation.....low order of toxicity

Ingestion.....minimal toxicity

ACGIH TLV: Nuisance Particulates, TWA=10 mg/M3

#### 4. First Aid Measures

Eye..... This product is an inert solid. If in eye, remove as one would any foreign object.  
Skin Contact..... Flush skin with water, if irritation persists, consult physician.  
Inhalation..... First Aid is not normally required, if large amounts of dust are inhaled, remove subject from exposure.  
Ingestion..... Treat symptomatically and supportively, First Aid is not normally necessary.

#### 5. Firefighting Measures

Flash Point.....>600 degrees F, estimated.  
Autoignition Point.....>600 degrees F, estimated.  
Extinguishing Media..... Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply of fire. Extinguish by cooling with water spray. Firefighters should use eye and respiratory protection.  
Decomposition Products Under Fire..... Under oxygen lean conditions, Carbon Dioxide (CO) and irritating smoke can be produced.  
Special Procedures..... Approved respirators, water spray to cool. Airborne dust may be explosive.

#### 6. Accidental Release Measures

Land Spill ..... Recover spilled material and place in suitable containers for recycle or disposal. Conform with local regulations.  
Water Spill..... Recover the spilled material and place in suitable containers for recycle or disposal. Conform with local regulations.

#### 7. Handling and Storage

Storage Temperature..... Store < 480 degrees F, temperatures in excess may cause resin degradation.  
Ventilation requirements..... General.  
Sensitivity to Static Electricity..... Static discharge can accumulate.  
Sensitivity to Mechanical Impact..... None.

## 8. Exposure Controls

Ventilation Requirements.....Where concentrations in air exceed TLV, work practice or NIOSH approved respirators may be necessary to prevent overexposure.

Eye protection.....Wear Safety Glasses.

Glove requirements.....Not Normally Required.

Respirator Requirements.....Not Normally required, see above.

## 9. Physical and Chemical Properties

Boiling Point.....N/A

Specific Gravity.....0.88

Solubility in water.....immiscible

% Volatile.....<1 % (v/v)

Melting Point.....>225 F

Vapor pressure.....negligible mm HG /70 F

pH.....N/A

Viscosity.....N/A

Appearance & Odor.....Fibrous nonwoven material, with negligible odor.

## 10. Stability and Reactivity

Stability.....Stable at ordinary conditions of storage and handling.

Incompatibility.....None specified.

Hazardous Decomposition .....Carbon Monoxide.

Products

Hazardous Polymerization.....Will not occur.

Conditions to Avoid.....Keep Away From Flammable Sources and Temps > 480 F.  
Avoid storage near propane tanks or heaters emitting oxides because it causes a pink color to occur.

## 11. Toxicological Information

Product Toxicology .....Rabbit Primary Irritation = 0.18,  
Internal report T97-0166  
Eye.....particulate can scratch surface  
inhalation.....negligible at ambient temperatures, irritant  
following combustion  
skin.....negligible  
ingestion.....minimal  
Carcinogenicity: NTP (no); IARC (no); OSHA (no)

Medically aggravated conditions....none noted  
Route of Entry:           inhalation (yes)  
                                  skin (no)  
                                  ingestion (no)

## 12. Transportation Requirements

Hazardous Classification..... DOT PSN Code *ZZZ*  
DOT Proper Ship name: Not Regulated  
IMO PSN Code *ZZZ*  
IMO Proper Shipping Name :Not Regulated  
IATA PSN Code *ZZZ*  
IATA Proper Shipping Name Not Regulated  
AFI Prop Ship. Name Not Regulated  
Addit. Trans. Data : Not Regulated

### Additional Labeling

Chronic Hazard.....No  
Signal Word.....Caution  
Acute Health Hazard.....Slight: X  
Contact Hazard.....None : X  
Fire hazard.....Slight  
Reactivity Hazard.....None: X  
Special Hazard Precautions: Combustible, Acute: Particles may scratch surface,  
mechanical irritation to the eyes, vapors and/or aerosols which may be formed at elevated  
temperatures may be irritating to eyes and respiratory tract. Minimal Toxicity if  
swallowed. Chronic: None listed  
Protect eye.....yes  
Protect skin.....yes  
Protect respiratory.....yes

**13. Other**

MSDS Date.....June, 1998  
For Information.....1-570-384-1600

**14. Regulatory Information**

TSCA: This product is listed on the TSCA Inventory

CERCLA: If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). We recommend that you contact local authorities who may have other local reporting requirements.

SARA Title III: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Not Hazardous. This product does not contain Section 313 Reportable Ingredients.

## Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY**  
Polyester, Cotton, Rayon, Blended Polyester Cotton or Blended Polyester Rayon fabrics of various colors.

## Section I

Manufacturer's Name Hanes Dye & Finishing Company	Emergency Telephone Number (336) 725-1391
Address P.O. Box 202 Winston-Salem, NC 27102	Telephone Number for Information (336) 725-1391
	Date Prepared February 12, 2001
	Signature of Preparer (optional)

## Section II - Hazard Ingredients/Identity Information

Hazardous Component(s)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
None				

## Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (Water = 1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water N/A			
Appearance and Odor N/A			

## Section IV - Fire and Explosion Hazard Data

Flash Point N/A	Flammable Limits N/A	LEL N/A	UEL N/A
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**Section IV - Fire and Explosion Hazard Data (continued)**

Extinguishing Media Fabrics can be combustible. Use water, carbon dioxide, or dry chemical to extinguish fires. Use normal fire fighting procedures including positive pressure self-contained breathing apparatus and full fire fighting protective clothing.
Special Fire Fighting Procedures N/A
Unusual Fire and Explosion Hazards N/A

**Section V - Reactivity Data**

Conditions to Avoid None
Incompatibility (Materials to Avoid) None
Hazardous Decomposition or Byproducts None
Hazardous Polymerization Will Not Occur

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
Health Hazards (Acute and Chronic) None			
Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure N/A			
Emergency and First Aid Procedures N/A			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled N/A
Waste Disposal Method Landfill Disposal of waste fabric can be made in accordance with local, state, and federal regulations.



Section VII - Precautions for Safe Handling and Use (continued)

Precautions to Be Taken in Handling and Storing
None
Other Precautions
None

Section VIII - Control Measures

Respiratory Protection (Specify Type)	
Not Required	
Ventilation	
Not Required	
Protective Gloves	Eye Protection
Not Required	Not Required
Other Protective Clothing or Equipment	
Not Required	
Work/Hygienic Practices	
Not Required	