

MATERIAL SAFETY DATA SHEET

DO NOT USE THIS PRODUCT UNTIL YOU HAVE READ THIS INFORMATION

MSDS Prepared By:

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Section 1: General Information

Trade Names and Synonyms: Mirafi® Products: N-Series and S-Series, Mirapave, Mirascape, Furniture Nonwoven Fabrics

Chemical Names and Family: Polypropylene nonwoven fabrics

Product Use: Construction Products

HMIS Ratings: Health 0, Fire 1, Reactivity 0, PPE (see section 8)

Section 2: Hazardous Ingredients/Identity Information

<u>Ingredient</u> (Chemical Name, CAS#, and Common Name)	<u>OSHA PEL or TWA</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
Polypropylene resin(9003-07-0)	n/a	n/a	98 – 100 %
Minor Additives (Mixture)	n/a	n/a	< 1%
Carbon Black(1333-86-4)	3.5 mg/cm TWA	3.5 mg/cm TWA	< 1%

Section 3: Hazards Identification/Potential Effects

Overview: Based upon pertinent data available, polypropylene cloth products are not hazardous under OSHA Hazard Communication Standard (29 CFR 1910.120).

Routes of Exposure:

Inhalation: Not likely, under normal use
Skin contact: Yes
Skin absorption: No
Eye Contact: Yes

Symptoms of Acute Overexposure: Product may contain surface applied process lubricants that may cause skin to dry out.

Symptoms of Chronic Overexposure: No known health effects have been observed with normal use.

Medical Conditions Aggravated By Exposure: Persons with preexisting skin disorders may be susceptible to effects of the material.

Carcinogeny: See Section 11

Section 4: First Aid Procedures

Eye Contact: As with any foreign object, flush with water. If pain or irritation persists, consult physician.

Skin Contact: Wash with soap and water. In case of irritation, consult physician.

Ingestion: N/A

Section 5: Fire and Explosion Hazard Data

Flash Point (Method Used): Greater than 300°C

Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Water Fog Carbon Dioxide
 Regular Foam Dry Chemical Other

Special Fire Fighting Procedures: Material will not burn unless preheated. Over heated or molten material may burn slowly with dense smoke. As with any fire, wear approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Not applicable

Section 6: Accidental Release Measures

No environmental threat is expected from release.

Section 7: Handling and Storage

Storage: Store away from oxidizing materials, in cool dry area. Avoid direct sunlight.

Handling: No special handling unless large rolls are used. Use lifting devices as necessary. If product is molten, avoid contact with skin or eyes

Section 8: Exposure Controls/ Rolls may be heavy; use lifting devices for moving Personal Protection

Ventilation Requirements: Not required for normal use. If process generates dust, use ventilation to keep exposure below exposure limit.

Personal Protective Equipment:

Eye Protection: Not normally required.

Skin Protection: Not normally required. Persons with exposure sensitivity may need suitable gloves.

Respiratory Protection: Not required, unless dust generated

Other Clothing and Equipment: Normal work clothing.

Section 9: Physical and Chemical

Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (Air =1): N/A

Solubility in Water: Not soluble

Appearance and Odor: Fabric wound on a cardboard core.

Specific Gravity (H₂O=1): Less than 1

Evaporation Rate (Butyl Acetate=1): N/A

Melting Point: about 320 degrees F

Section 10: Stability and Reactivity

Stability: Stable Unstable

Conditions to Avoid: Keep away from sparks or flame

Incompatibility (Materials to Avoid): Strong oxidizers.

Hazardous Polymerization: May Occur Will Not Occur

Hazardous Decomposition Products (Including Combustion Products): carbon dioxide, carbon monoxide, hydrocarbons, etc.

Section 11: Toxicological Information

Eye Effects: Not toxic

Skin Effects: Not toxic

Target Organs: None

Carcinogenity: Carbon black is classified as a Group 2B possible human carcinogen. When encapsulated in a plastic matrix, risk of exposure is minimized.

Mutagenitive and Reproductive Effects: Not considered to be a hazard

Section 12: Ecological Information

Environmental Data: Not expected to be hazardous to the environment in present form.

Section 13: Disposal Considerations

Disposal: Spent material should be recycled or disposed according to current regulations

RCRA Hazard Class: Does not contain RCRA regulated materials.

Section 14: Transport information

DOT Classification: Non-hazardous

Section 15: Regulatory Information

This product may contain ingredients in the fiber lubricant and additives in "De Minimus" quantities, which would be listed in SARA 311/313: Acute Health Hazard. At levels under 0.01% by weight, no "Reportable Quantities" will be reached with typical fabric inventories.

The information and recommendations contained in this publication have been compiled from sources believed to be reliable and to represent the best current opinion on the subject at the time of publication. Since we cannot anticipate or control the many different conditions under which this information or our products may be used, we make no guarantee that the recommendations will be adequate for all individuals or situations. Each user of the product described herein should determine the suitability of the described product for his particular purpose and should comply with all federal and state rules and regulations concerning the described products.