

MDM FIBER™
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Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MDM Fiber™
Reference Number: L-01
Company Information: MDM, PO Box 88, Langhorne, PA 19047

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>Source</u>
Nylon 6.6 or 6 Fibers	32131-17-2	Reclaimed Carpet
Polypropylene Fibers	9003-07-0	Reclaimed Carpet
Calcium Carbonate	471-34-1	Reclaimed Carpet
Styrene Butadiene Polymer	n/a	Reclaimed Carpet
Other	n/a	Reclaimed Carpet

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Form: Pellet or loose fiber
Color: Varied - Light Tan
Odor: None to slight

WARNING STATEMENTS

No significant hazards associated with this material at ambient conditions.
Exposure to fire may release irritating, toxic and/or flammable fumes or vapors.

POTENTIAL HEALTH EFFECTS

Likely routes of exposure:	Eye and skin contact, inhalation
Eye contact:	No more than slightly irritating to eyes. Dust may cause eye irritation as any foreign material. Thermal process fumes/vapors may irritate eyes.
Skin contact:	No more than slightly irritating to skin. No more than slightly toxic if absorbed. Hot or molten polymer can burn skin.
Inhalation:	Thermal process fumes/vapors may irritate mucous membranes of nose and throat.
Ingestion:	No more than slightly toxic if swallowed. Adverse health effects are not expected to develop if small amounts (less than mouthful) are swallowed.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

If in eyes:	If irritation develops, flush with running water. If discomfort continues obtain medical attention.
If on skin:	If irritation develops, flush with running water. Wash affected area with soap and water. If discomfort continues, obtain medical attention. Immerse a burn area in cold running water and obtain medical attention immediately.
If inhaled:	Remove person to fresh air. If irritation develops obtain medical attention.
If swallowed:	Ingestion is not likely route of exposure. If ingested seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	Not determined
Hazardous products of combustion:	Thermal decomposition products may include a complex mixture of organic and inorganic compounds including but not limited to simple hydrocarbons, aldehydes, ketones, nitriles, inorganic oxides, halides, and possibly trace amounts of hydrogen cyanide and other materials depending upon specific temperature, time of exposure, and other immediate environmental factors.
Extinguishing media:	Use any standard agent (water, carbon dioxide, or foam).
Unusual fire and explosion hazards:	None known
Fire fighting equipment:	As a minimum wear bunker gear and self-contained positive pressure breathing apparatus.
Miscellaneous advice:	None known

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Always wear recommended personal protective equip.
Environmental precautions:	None known
Methods for clean-up:	Sweep or vacuum material - place in container for re-use or disposal.

Refer to Section 13 for disposal information.

Refer to sections 14 & 15 for reportable quantity information.

7. HANDLING AND STORAGE

Handling (Always wear recommended personal protective equipment.)

Avoid processing material above recommended thermal process temperatures. Contact a technical representative for advice. Avoid breathing thermal processing fumes and vapors. Avoid inhalation and/or skin contact with product dust, fiber or pellet. Avoid dust, fiber or pellet contact with eyes.

Consider exhaust ventilation at all processing emission points. Wash thoroughly after handling.

Storage To maintain quality store in a cool, dry area. Maintain in original container.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye protection:	Wear safety glasses with side shield as a minimum. Use a faceshield when processing molten material. An eye wash fountain or other source of running water is recommended in or near the work area.
Hand protection:	Wear gloves when handling drums and when handling hot polymer.
Body protection:	Use arm protection to protect against thermal burns. Use of personal protective should be consistent with user's site requirements.
Respiratory protection:	If dusty conditions exist, use mechanical filter respirator approved by NIOSH. For exposure to fume or vapor in excess of permissible limits, use an organic vapor cartridge respirator approved by NIOSH.
Ventilation:	Good manufacturing and industrial hygiene practice recommend the use of exhaust ventilation at thermal processing emission points. Processors should evaluate the need for exhaust ventilation at each processing emission point. These considerations should include operations (cutting, regrinding, chopping, etc.) following processing.
Airborne exposure limits (ml/m ³ = ppm)	

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other</u>
Product (dust)	Particles not otherwise classified 10 mg/m ³ TWA	Particles not otherwise classified 15 mg/m ³ TWA: 5 mg/m ³ respirable dust, TWA	None

The dust from product is not result of decomposition, but normal handling and processing. This should be considered nuisance dusts: ACGIH TLV-TWA = 10 mg/m³ total dust; OSHA PEL-TWA = 15 mg/m³ total dust, 5 mg/m³ respirable fraction.

Fibers may be coated with finish oils. Textile process may volatilize portions of finishes and produce an aerosol in workplace. Ventilation recommended to minimize exposure to such aerosols that should not exceed 5 mg.m³ (ACGIH TLV-TWA and OSHA PEL-TWA for mist).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Color will vary		
Physical State:	Solid pellet or loose fiber		
Odor:	None to slight organic		
Specific gravity:	Not determined		
Melting point:	250-260 deg C (482-500 deg F)		
Water solubility:	Insoluble		
Boiling Point:	Not applicable		
Vapor Pressure:	Not applicable		
Vapor Density (Air = 1.0)	Not applicable		
Evaporation Rate:	Not applicable	Compared to:	Not applicable
% Volatiles:	Not determined		
Flash Point:	Not determined		

10. STABILITY AND REACTIVITY

Conditions to avoid:	Product is stable. Avoid exposure to open flame or temperatures exceeding recommended temperatures. Avoid prolonged exposure to processing temperatures. Consult tech service for recommended process conditions. Do not store processed product hot.
Materials to avoid:	Strong mineral acids.
Hazardous reactions:	Hazardous polymerization will not occur.
Decomposition temperature:	Not Determined
Hazardous decomposition products:	Thermal decomposition products may include a complex mixture of organic and inorganic compounds which may be flammable, toxic or irritating. The specific materials will vary depending upon specific temperature, exposure time and other immediate environmental factors.

11. TOXICOLOGICAL INFORMATION

Immediate (Acute) Effects	Toxicological data concerning immediate (acute) health effects of product are not available.
Delayed (Subchronic & Chronic) Effects	Toxicological data concerning delayed health effects of the product are not available.

12. ECOLOGICAL INFORMATION

No ecotoxicological information available on the products. The products are not considered degradable or toxic in terms of their physical impact. Pellets or fiber left at large (spills) may be ingested by animals. Material is expected to have a low aquatic toxicity because of its insolubility in water.

13. DISPOSAL CONSIDERATIONS

US EPA RCRA Status:	Material is not considered a hazardous waste.
Disposal considerations:	The material as shipped is a non-hazardous organic solid. Preferred options for disposal are reuse, recycle, incineration with energy recovery and landfill. Treatment, storage, transportation and disposal of product must comply with applicable federal, state/provincial and local disposal laws or regulations.
Miscellaneous advice:	The information offered here is for the product as shipped. Use and/or alternations to the product such as mixing with active materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

14. TRANSPORT INFORMATION

The information provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transport.

<u>US DOT</u>	Not regulated
<u>Canadian DOT</u>	Not regulated

15. REGULATORY INFORMATION

All components are on the following inventories:

Canadian WHMIS classification: Not determined
SARA Hazard Notification: No ingredients listed in this section

Hazard Categories under
Title III Rules (40 CFR 370):

Section 302 Extremely

Hazardous Substances:

Section 313 Toxic Chemical's):

CERCLA Reportable Quantity: None

This product has been classified in accordance with the hazard criteria of the Canadian Products Regulation and the MSDS contains all the information required by the Canadian Products Region.

Refer to Section 11 for OSHA/HPA Hazardous Chemical's).

Refer to Section 13 for RCRA classification.

16. OTHER INFORMATION

Product use: This product is obtained from post-consumer nylon carpeting. Use may involve processing with other plastics, wood based products and other organic and inorganic materials.

Reason for revision: New MSDS

	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating:	0	1	0	
Suggested HMIS Rating:	0	1	0	

Prepared by: MDM, PO Box 88, Langhorne, PA 19047

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