

## 1. Identification

**Product Name:** MiniFIBERS Polyester Fibers  
**Synonyms:** PET, Polyethylene Terephthalate  
**Manufacturer:** MiniFibers Inc.; 2923 Boones Creek Road; Johnson City, TN 37615 USA  
**Telephone:** Information: (423) 282-4242 Emergency: (423) 282-4242  
**Date Prepared:** March 2011

HMIS		
HEALTH	0	0
FLAMMABILITY	1	0
PHYSICAL HAZARD	0	0
PERSONAL PROTECTION	E	

## 2. Hazard Identification

This product is not hazardous under the criteria of U.S. Occupational Safety and Health Standard 29 CFR 1910 Subpart Z and United Nations GHS Parts 2, 3, and 4.

The product is coated with finishes which do not present a significant health hazard in their normal use. If heated to temperatures of 150-250°C during processing, these finishes can degrade and generate off gases which may contain very small amounts of such chemicals as aldehydes, alcohols, acetic acid, acetone, etc. Local exhaust ventilation is recommended.

## 3. Composition / Information on Ingredients

Substance	CAS No.	EC No.	Concentration By Weight
Polyethylene Terephthalate	25038-59-9	-	95-100%
Titanium Dioxide	13463-67-7	-	0-5%
Products described as "recycled," "post-industrial," or "post-consumer" may contain proprietary additives for color control at less than 1% of the weight of the fiber.			

## 4. Emergency & First Aid Measures

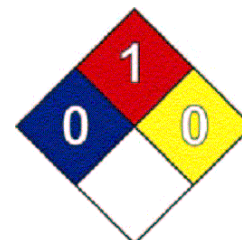
### Routes of Exposure:

- Inhalation:** Inhalation of fibers, fiber dust, or vapors may cause respiratory irritation. Move to fresh air if effects occur. Consult a physician if symptoms develop.
- Skin:** **If thermal burn, cool with water and seek immediate medical attention; do not attempt to peel fibers from skin.** Non-thermal contact with fibers may cause mechanical irritation of the skin. Wash off with soap and water, and consult a physician if symptoms develop.
- Skin Absorption:** A single prolonged skin exposure is not likely to result in the material being absorbed through the skin in harmful amounts. However, cleansing the skin after use is advisable. Consult a physician if symptoms develop.
- Eyes:** Fibers or fiber dust may cause irritation or scratch the surface of the eyes. Flush with water to remove particles; remove contact lenses if present and part eyelids with fingers to ensure complete flushing. Consult a physician if symptoms develop.
- Ingestion:** No acute toxicological effects are believed to be caused by ingesting a small amount. Rinse mouth with water and consult a physician if symptoms develop, or if a large amount is ingested.

Contaminated clothing does not need to be removed.  
Personal protective equipment is not required for first-aid responders.

## 5. Fire Fighting Measures / Fire & Explosion Hazard Data

- Flash Point:** No data available
- Flammable Limits:** Not determined
- Extinguishing Media:** Water, CO<sub>2</sub>, dry chemicals, foam.
- Hazardous Combustion Products:** May include, but are not limited to, CO, CO<sub>2</sub>, formaldehyde, ethanol, methanol, acetic acid, and acetone.
- Unusual Fire & Explosion Hazards:** None known.
- Special Fire Fighting Procedures:** Keep unnecessary and unprotected personnel away. Avoid excessive inhalation of smoke or vapors. Keep product and surrounding areas cool by spraying with water. If outdoors, fight fire from an upwind position.
- Special Protective Equipment:** Due to potential decomposition of the polymer, firefighters should be equipped with positive pressure self-contained breathing apparatus (SCBA) and standard protective fire fighting clothing (helmet, eye protection, overalls, boots, and gloves) when fighting all indoor fires and any significant outdoor fires.



## 6. Accidental Release Measures / Steps to be Taken if Material is Released or Spilled

- Personal Precautions:** None needed.
- Environmental Precautions:** None needed.
- Methods for Cleanup:** Vacuum or sweep up and place in a standard disposal container. To more effectively control fiber dust, avoid the use of air jets.

## 7. Precautions for Safe Handling & Storage

- Precautions for Safe Handling:** No special handling has been shown to be necessary.
- Conditions for Safe Storage:** Avoid overstacking to prevent collapse or breakage of the package. Do not store near sources of ignition or incompatible substances.
- Other Precautions:** None

## 8. Exposure Control Measures / Personal Protection

- Exposure Guidelines:** Fiber dust should be considered a nuisance dust, i.e. particulates (not otherwise classified):  
 ACGIH Threshold Limit Value: 10 mg/m<sup>3</sup> total dust; 3-mg/m<sup>3</sup> respirable dust  
 OSHA Permissible Exposure Limit: 15 mg/m<sup>3</sup> total dust; 5-mg/m<sup>3</sup> respirable dust
- Engineering Controls:** Local exhaust ventilation is recommended to reduce exposure to fiber dust and vapors.
- Specific Personal Protective Equipment:**
- Respiratory:** For operations where inhalation exposure can occur, a NIOSH approved dust mask or respirator is recommended.

<b>Eye:</b>	For operations where eye contact can occur, eye protection such as goggles or safety glasses is recommended.
<b>Hand:</b>	Protective gloves not required.
<b>Skin/Other:</b>	Not required.
<b>Work/Hygienic Practices:</b>	Maintain good housekeeping to control dust accumulation. To more effectively control fiber dust, avoid the use of air jets to blow off equipment; use vacuums instead.

## 9. Physical & Chemical Properties / Characteristics

<b>Chemical Formula:</b>	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>	<b>Flash Point:</b>	No data available	<b>Solubility:</b>	Not soluble
<b>Appearance:</b>	White solid	<b>Evaporation Rate:</b>	Does not apply	<b>Partition Coefficient:</b>	No data available
<b>Odor:</b>	No odor	<b>Flammability:</b>	Non-flammable	<b>Auto-Ignition Temp:</b>	500°C
<b>pH:</b>	No data available	<b>Vapor Pressure:</b>	Does not apply	<b>Decomposition Temp:</b>	No data available
<b>Melting Point:</b>	>255°C	<b>Vapor Density:</b>	Does not apply	<b>Viscosity:</b>	Does not apply
<b>Boiling Point:</b>	Does not apply	<b>Specific Gravity:</b>	1.38 g/cm <sup>3</sup>		

## 10. Stability & Reactivity Data

<b>Reactivity:</b>	Data not available.
<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Temperatures above 400°C.
<b>Incompatible Materials:</b>	Tends to dissolve in caustic materials.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition products may include CO, ethylene glycol and other C, H, and O compounds varying in chemical structure and molecular weight.

## 11. Toxicological Information / Health Hazard Data

<b>Health Hazards (Acute and Chronic):</b>	Acute: Polyester is not considered to cause allergic contact dermatitis on testing results for skin irritation (rabbits), skin sensitization (guinea pig), and clinical evaluation using the repeated insult patch test. Chronic: No data available.
<b>Carcinogenicity:</b>	
<b>NTP:</b>	Not listed.
<b>IARC:</b>	3 - Not classifiable as to its carcinogenicity to humans.
<b>OSHA:</b>	Not regulated.
<b>Signs and Symptoms of Exposure:</b>	No data available.
<b>Medical Conditions Aggravated by Exposure:</b>	Some individuals, e.g. with asthma, bronchitis, or allergies, are likely to be intolerant of high concentrations of airborne fibers, fiber dust, or vapors when processing.

## 12. Ecological Information

<b>Toxicity:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

## 13. Disposal Considerations

<b>Waste Disposal Method:</b>	Dispose of in accordance with all applicable governmental regulations for non-hazardous solid waste. Disposal via septic or sewage systems is not recommended. Recycling of corrugated packaging is encouraged where possible. Other packaging may be disposed of with product. Standard disposal containers are acceptable.
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## 14. Transport Information

<b>Proper Shipping Name:</b>	Polyester Staple Fibers	<b>U.S. DOT:</b>	Not regulated.
<b>U.S. NMFC Item Number:</b>	68310	<b>ICAO/IATA:</b>	Not regulated.
<b>HTC Number:</b>	5503.20	<b>IMDG:</b>	Not regulated.
<b>U.N. Number:</b>	None	<b>Canada TDG:</b>	Not regulated.

## 15. Regulatory Information

<b>International:</b>	<b>Federal (U.S.):</b>
Canada: DSL/NDSL: Included on the Canadian Domestic Substance List.	EPA: Not regulated.
Canada: WHMIS: Not a controlled product.	OSHA: Not hazardous under the criteria of Occupational Safety and Health Standard 29 CFR 1910 Subpart Z.
Europe: Not classified as dangerous according to Directive 1999/45/EC.	<b>State:</b>
UN: Does not appear on the Dangerous Goods List.	CA: Proposition 65: Does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

## 16. Other Information

This MSDS has been prepared in compliance with United States OSHA Hazard Communication Standard 29 CFR 1910.1200 and the United Nations Globally Harmonized System for the Classification and Labeling of Chemicals.

**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.