

# MINIFIBERS, INC.

2923 Boones Creek Road, Johnson City, TN 37615  
Tel: 423-282-4242 Fax: 423-282-1450

## Materials Safety Data Sheet

### 1. Product Identification

**Product Name:** MiniFIBERS Polyester Fiber  
**Synonyms:** PET Fiber, Polyester Binder Fiber, Polyester Staple Fiber

HMIS	
H Health	0
F Flame	1
R Reactivity	0
PE Personal Equipment	0

### 2. Chemical Identification

Material or Component	CAS No.	EINECS No.	By Weight
Polyethylene Terephthalate	25038-59-9	*	>98%

### 3. Hazards Identification

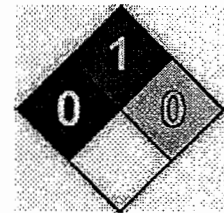
**Skin Contact:** Contact with fibers may cause mechanical irritation of skin.  
**Inhalation:** Some individuals, e.g. with asthma or bronchitis, are likely to be intolerant of high concentrations of airborne fibers or fiber dust when processing.  
**Skin Absorption:** None known  
**Eye Contact:** Fibers or fiber dust may cause irritation or scratch the surface of the eyes.  
**Ingestion:** None known

### 4. First Aid Measures

**Eyes:** Flush with water to remove particles.  
**Skin:** Wash off with flowing water.  
**Inhalation:** Remove to fresh air if effects occur and seek medical attention if persistent coughing or other symptoms develop.  
**Ingestion:** No treatment required (no harm).  
**Notes to Physician:** Fibers can be regarded as physiologically inert since no poisoning or other injurious effects have been observed in cases where this material has been used internally (surgical sutures, replacement of blood vessels, etc.). On external contact, no signs of dermatitis or other skin injury have been observed.

### 5. Fire Fighting Measures

**Flash Point:** Not Applicable  
**Autoignition Temperature:** 500°C  
**Flammable Limits in Air, % by Volume:** Not determined  
**Extinguishing Media:** Water, CO<sub>2</sub>, Dry Chemicals, Foam-Fog  
**Special Fire Fighting Procedures:** Avoid excessive inhalation of smoke or potential thermal decomposition products. Wear self contained breathing apparatus meeting NIOSH standards.  
**Unusual Fire & Explosion Hazard:** None



### 6. Accidental Release Measures

**Aquatic Toxicity:** None known  
**Steps to be Taken if Material is Released or Spilled:** Sweep or vacuum up and place in a waste disposal container or reuse.  
**Neutralizing Chemicals:** Not applicable

### 7. Handling & Storage

**Precautionary Statements:** No special handling has been shown to be necessary.  
**Other Handling & Storage Requirements:** Avoid overstacking to prevent collapse or breakage of the package. Do not store near flame or incompatible materials. Maintain good housekeeping to control dust accumulations.

### 8. Exposure Controls/Personal Protection

**Ventilation Requirements:** Local exhaust for fiber dust only.  
**Specific Personal Protective Equipment:**  
**Respiratory:** For operations where inhalation exposure can occur, a NIOSH approved respirator recommended by an industrial hygienist may be necessary.  
**Eye:** For operations where eye or face contact can occur, eye protection such as goggles or a face shield is recommended.  
**Skin:** Not required  
**Additional Equipment:** Not required  
**Precautionary Statements:** While the product may contain trace amounts of non-toxic surfactants and/or lubricants approved for textiles, no special handling has been shown to be necessary.

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**Exposure Guidelines:** Dust should be considered a nuisance dust:  
ACGIH TLV 10 mg/m<sup>3</sup> total dust  
OSHA PEL: 15 mg/m<sup>3</sup> total dust; 5-mg/m<sup>3</sup> respirable dust

**9. Physical & Chemical Properties**

<b>Chemical Formula:</b>	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>	<b>Vapor Density:</b>	Not Applicable	<b>pH:</b>	Not Applicable
<b>Physical State:</b>	White solid	<b>Vapor Pressure:</b>	Not Applicable	<b>pH (1% Solution):</b>	Not Applicable
<b>Boiling Point:</b>	Not determined	<b>Specific Gravity:</b>	1.38 g/cm <sup>3</sup>	<b>Solubility in Water:</b>	Not soluble
<b>Melting Point:</b>	260°C	<b>Molecular Weight:</b>	>30,000	<b>Evaporation Rate:</b>	Not Applicable
<b>% Volatiles by Vol.</b>	Not Applicable	<b>VOC percent:</b>	None		

**10. Stability and Reactivity**

**Incompatibilities:** Tends to dissolve in caustic materials.

**Conditions Contributing to Instability:** Contact with flame; temperatures above 400°C.

**Hazardous Decomposition Products:** Thermal decomposition products may include CO, ethylene glycol and other C, H and O compounds varying in chemical structure and molecular weight.

**Conditions Contributing to Hazardous Polymerization:** Hazardous polymerization will not occur.

**11. Toxicological Information**

**Acute Overexposure:** 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 Overexposure:** Not available

**12. Ecological Information**

**Aquatic Toxicity:** No data available

**13. Disposal Considerations**

**RCRA:** Is the unused product an RCRA waste if discarded? No

**Waste Disposal Method:** Dispose of in accordance with applicable governmental non-hazardous solid waste regulations.

**Steps to be Taken if Material is Released or Spilled:** Sweep up and place in a waste disposal container.

**Neutralizing Chemicals:** Not Applicable

**14. Transport Information**

**Proper Shipping Name:** Polyester Staple Fiber

**NMFC Item No.:** 68310

**HTC No.:** 5503.20

**15. Regulatory Information****International:**

IATA: Not regulated

ICAO: Not regulated

IMDG: Not regulated

Canada: DSL/NDL: This product is included on the Canadian Domestic Substance List.

Canada: TDG: Not regulated

Canada: WHMIS: Not a controlled product.

EU: All components of this product are listed on EINECS or are exempt from EINECS registration.

**Federal:**

DOT: Not hazardous

OSHA: This product is not hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA: No ingredients listed.

TSCA: This product is certified for inclusion on the TSCA Inventory of Chemical Substances.

**State:**

CA: Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

**16. Other Information**

**Other Information:** Polyester Fibers are coated with minor quantities of finish oils. Processes may volatilize portions of these finishes. Ventilation is recommended to minimize exposure to such finish mists, which should not exceed a concentration of 5 mg/m<sup>3</sup>, the ACGIH TLV for mineral oil.

**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.