

## 1. Product Identification

**Product Name:** MiniFIBERS Rayon Fiber  
**Synonyms:** Rayon Flocking Tow, Rayon Tire Cord, Rayon Staple Fiber

HMIS	
<b>H</b> Health	<b>0</b>
<b>F</b> Fire	<b>1</b>
<b>R</b> Reactivity	<b>0</b>
<b>PE</b> Personal Equipment	<b>0</b>

## 2. Chemical Identification

Material or Component	CAS No.	EINECS No.	By Weight
Cellulose (Rayon)	68442-85-3	270-493-7	99%

## 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 soap and 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).

## 5. Fire Fighting Measures

**Flash Point:** Not Applicable  
Decomposition temperature is greater than 175°C.  
**Autoignition Temperature:** 420°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:** As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.



## 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.

**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>6</sub> H <sub>12</sub> O <sub>6</sub> ) <sub>n</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>	Does not boil	<b>Specific Gravity:</b>	1.5 g/cm <sup>3</sup>	<b>Solubility in Water:</b>	Not soluble
<b>Melting Point:</b>	Does not melt	<b>Molecular Weight:</b>	Not determined	<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 decompose in strong acids & bases.  
**Conditions Contributing to Instability:** Contact with flame; temperatures above 300°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**

The fiber product is not toxic.

**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:** Rayon Staple Fiber  
**NMFC Item No.:** 68310  
**HTC No.:** 5504.10

**15. Regulatory Information**

<b>International:</b>	<b>Federal:</b>
IATA: Not regulated	DOT: Not hazardous
ICAO: Not regulated	OSHA: This product is not hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
IMDG: Not regulated	SARA: No ingredients listed.
Canada: DSL/NDSL: This product is included on the Canadian Non-Domestic Substance List.	TSCA: This product is certified for inclusion on the TSCA Inventory of Chemical Substances.
Canada: TDG: Not regulated	<b>State:</b>
Canada: WHMIS: Not a controlled product.	CA: Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.
EU: All components of this product are listed on EINECS or are exempt from EINECS registration.	

**16. Other Information**

**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.