

1. Product Identification

Product Name: MiniFIBERS Nylon Type 6,6 Fiber
Synonyms: Nylon Staple Fiber

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

2. Chemical Identification

Material or Component	CAS No.	EINECS No.	By Weight
Nylon Type 6,6 (Adipic acid-hexamethylenediamine Polymer)	32131-17-2	*	>99%

3. Hazards Identification

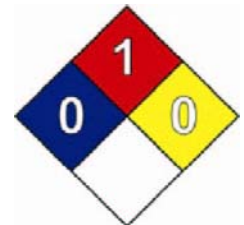
Skin Contact: Contact with fibers may cause mechanical irritation of skin.
Inhalation: Some individuals, e.g. with asthma or bronchitis, are likely to be intolerant of high concentrations of airborne fibers or fiber dust when processing.
Skin Absorption: None known
Eye Contact: Fibers or fiber dust may 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).
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: 400°C
Autoignition Temperature: >520°C
Flammable Limits in Air, % by Volume: Not determined
Extinguishing Media: Water, CO2, 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

Exposure Guidelines: approved for textiles, no special handling has been shown to be necessary.
Dust should be considered a nuisance dust:
ACGIH TLV 10 mg/m³ total dust
OSHA PEL: 15 mg/m³ total dust; 5-mg/m³ respirable dust

9. Physical & Chemical Properties

Chemical Formula:	C ₁₂ H ₂₂ O ₂ N ₂	Vapor Density:	Not Applicable	pH:	Not Applicable
Physical State:	White solid	Vapor Pressure:	Not Applicable	pH (1% Solution):	Not Applicable
Boiling Point:	Does not boil	Specific Gravity:	1.12-1.16 g/cm ³	Solubility in Water:	Not soluble
Melting Point:	250-260°C	Molecular Weight:	Not determined	Evaporation Rate:	Not Applicable
% Volatiles by Vol.	Not Applicable	VOC percent:	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: At temperatures above 340°C/644°F: C, CO, CO₂, NO₂, NO₃, HCN.
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: Nylon Staple Fiber
NMFC Item No.: 68310
HTC No.: 5503.10

15. Regulatory Information

International:	Federal:
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 Domestic Substance List.	TSCA: This product is certified for inclusion on the TSCA Inventory of Chemical Substances.
Canada: TDG: Not regulated	
Canada: WHMIS: Not a controlled product.	State:
EU: All components of this product are listed on EINECS or are exempt from EINECS registration.	CA: Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

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.