

1. Product Identification

Product Name: MiniFIBERS Bionelle/Biomax Aliphatic PET Bicomponent Fibers
Synonyms: Polyester Copolymer, Aliphatic Polyester, Polyester Bicomponent Staple Fibers

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

2. Chemical Identification

Material or Component	CAS No.	EINECS No.	By Weight
Proprietary blend of Co-Polyesters	-	*	~50%
Aliphatic Polyester	143606-53-5	*	~50%

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: Immediately flush with water for at least 5 minutes. Consult physician if symptoms persist.
Skin: Wash off in flowing water or shower. Seek medical attention if thermal burn.
Inhalation: No adverse effects believed to occur from breathing a small amount of dust during proper industrial handling. If exposed to fumes from over heating or combustion, move to fresh air. Consult a physician if persistent coughing or other symptoms develop.
Ingestion: No adverse effects believed to occur from swallowing a small amount. Consult physician if necessary.

5. Fire Fighting Measures

Flash Point: Not Applicable
Autoignition Temperature: Not Applicable
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. To prevent discoloration, store at temperatures below 40°C (104°F), avoid direct sunlight, and do not use where there is gas exhaust of NO₂, SO₂, etc. Do not mix with cellulose fibers when applying to clothing products to prevent quality deterioration.

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.

Materials Safety Data Sheet

Exposure Guidelines: 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 (APS):	C ₁₆ H ₃₂ N ₂ O ₁₀	Vapor Density:	Not Applicable	pH:	Unknown
Chemical Formula (CO-PS):	Not reported	Vapor Pressure:	Not Applicable	pH (1% Solution):	Unknown
Physical State:	Milky-white solid	Specific Gravity (APS):	1.26 g/cm ³	Solubility in Water:	None
Boiling Point:	Does not boil	Specific Gravity (CO-PS):	1.33-1.43 g/cm ³	Evaporation Rate:	Unknown
Melting Point (APS):	105-115°C	Molecular Weight:	Unknown	% Volatiles by Vol.	Not Applicable
Melting Point (Co-PS):	200-235°C	VOC Percent:	Unknown	% Volatiles by Weight	Not Applicable

10. Stability and Reactivity

Incompatibilities: Stable under normal conditions.
Conditions Contributing to Instability: Contact with flame; temperatures above 400°C.
Hazardous Decomposition Products: None anticipated under normal or recommended handling and storage conditions.
Conditions Contributing to Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Acute Overexposure: Not considered to cause allergic reaction. 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. Fiber is biodegradable.

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 Bicomponent Staple Fibers
NMFC Item No.: 68310
HTC No.: 5503.20

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 substance is subject to the <i>New Substances Notifications Regulations (Chemicals and Polymers)</i> of the <i>Canadian Environmental Protection Act, 1999</i> .	TSCA: In compliance with TSCA Inventory requirements for commercial purposes.
Canada: TDG: Not regulated	State:
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.

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/m³, 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.