

Engineered Fibers Technology, LLC Shelton, CT	Product:	EFTec Fibrillated Acrylic Nanofibers
	Document:	MSDS-002.00
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MATERIAL SAFETY DATA SHEET

1 PRODUCT / COMPANY IDENTIFICATION

Product Name: EFTec™ Fibrillated Acrylic Nanofibers

Synonyms: Acrylic fiber, poly(acrylonitrile-co-vinyl-acetate), acetic acid ethenyl ester polymer with 2-propenenitrile

Company Identification: Engineered Fibers Technology, LLC
25 Brook Street, Suite B
Shelton, CT 06484

Phone Number: 203-922-1810

Fax Number: 203-922-1814

2 COMPOSITION / INFORMATION ON INGREDIENTS

Material	CAS Number	EINECS Number	Percent	Agency	Exposure Limits	Comments
Acrylic copolymer	24980-62-9	Not listed	10-50	OSHA OSHA ACGIH	15 mg/m ³ 5 mg/m ³ 10 mg/m ³	PEL Total dust PEL Respirable dust TLV Total dust
Water	N/A	N/A	50-90		N/A	N/A

Notes: PEL is permissible exposure limit. TLV is threshold limit value.

3 HAZARD IDENTIFICATION

Appearance and Odor: Off-white fiber wet lap or wet crumb. Odorless.

Primary Health Hazards: The primary health hazard is thought to be exposure to dust, which may aggravate pre-existing respiratory conditions or allergies. This hazard is minimal in the purchased (wet) form.

Primary Route(s) of Exposure:

Eye: Dust

Skin:

Inhalation: Dust

Ingestion:

Chronic Health Hazards: None known for product in purchased form.

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4 FIRST AID MEASURES

- Eye:** Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in the eye as a foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.
- Skin:** Not applicable for product in purchased form.
- Inhalation:** Excessive dust concentrations may aggravate allergies or pre-existing respiratory conditions. Remove to fresh air, and get medical help if persistent irritation, severe coughing or difficulty breathing occurs.
- Ingestion:** Not applicable for product in purchased form.

5 FIREFIGHTING MEASURES

- Flash Point:** N/A
- Flammable Limits:** N/A
- Extinguishing Media:** Water, carbon dioxide or dry chemical.
- Autoignition Temperature:** 515 °C (960°F).
- Special Fire Hazards:** Not applicable for product in purchased form.

6 ACCIDENTAL RELEASE MEASURES

Not applicable for product in purchased form. Sweep or vacuum dried product and dispose of properly. Use NIOSH/MSHA approved dust mask and goggles where ventilation is not possible and exposure limits may be exceeded.

7 HANDLING AND STORAGE

This product is produced and shipped in wet form. Use equipment and practices appropriate for large, heavy items. Store in cool, dry place away from heat sources, open flames, or other sources of ignition.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Not applicable for product in purchased form. However, dried product may require the following:

- Eye/Face Protection:** Goggles or safety glasses recommended in high dust levels.
- Skin Protection:** Not applicable.
- Respiratory Protection:** Provide general ventilation or local exhaust to keep dust levels below exposure limits. If exposure limits are exceeded, a NIOSH/MSHA approved dust mask/respirator is recommended.
- General Hygiene:** Not applicable.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Melting point:	Does not melt.
Boiling point:	Not volatile.
Thermal decomposition:	> 200°C (390 °F)
Solubility:	Insoluble in water and common organic solvents

10 STABILITY AND REACTIVITY

Stability:	Stable material.
Incompatible Materials:	Strong acids, bases, amines, oxidizing or reducing agents.
Combustion/Decomposition Products:	Combustion products may include carbon monoxide, carbon dioxide, hydrogen cyanide, and/or oxides of nitrogen and sulfur.
Hazardous Polymerization:	Will not occur.

11 TOXOLOGICAL INFORMATION

None available for product in purchased form.

Carcinogenicity: No ingredients are listed as carcinogens by NTP, IARC or OSHA.

12 ECOLOGICAL INFORMATION

None available for product in purchased form.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Methods: If discarded in purchased form, this product may be landfilled or incinerated. However, it is the user's responsibility to determine at the time of disposal whether your product meets EPA RCRA criteria for hazardous waste. Dispose of in accordance with federal, state, and local regulations.

14 TRANSPORT INFORMATION

U.S. DOT

Proper Shipping Name:	Not regulated
Hazard Class:	Not regulated
Identification Number:	Not regulated
Packing Group:	Not regulated
Label Required:	None required

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15 REGULATORY INFORMATION

US Federal Regulations

SARA Title III:

Section 302/304 Extremely Hazardous Substance: Not applicable

Section 311 Hazardous Categorization: Not applicable

Section 313 Toxic Chemicals: Not applicable

CERCLA Section 102(a) Hazardous Substance: Not applicable

RCRA Information: Not applicable

OSHA: Limits inhalation of "particulates not otherwise regulated" (29 CFR 1910.1000).

EU

The polymer in this product is exempt from listing in the European Inventory.

Canadian Regulations

WHMIS: Not a controlled product.

DSL/NDSL: The polymer in this product is listed on the Non-Domestic Substance List.

US State Regulations

California Prop 65: This product does not contain any substances listed.

New Jersey: This product does not contain any substances listed.

Pennsylvania: This product does not contain any substances listed.

16 OTHER INFORMATION

Revision History

Rev	Author	Reason for Change	Effective Date	Withdrawal Date
00	EFT	First Release	6/22/2007	N/A