



# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CFF<sup>®</sup> Fibrillated Fiber (Dry)  
**Synonyms:** CFF 110-1, CFF V110-1  
**Chemical Name:** Acrylic copolymer  
**Molecular Formula:** Polymer  
**Molecular Weight:** Polymer  
**Intended Use:** Used as a mechanical binder for friction materials, gaskets, and specialty papers.

**Supplier:** Sterling Fibers Inc.  
5005 Sterling Way  
Pace, FL 32571  
850-994-5311

**Emergency Contact:** CHEMTREC (US) 800-424-9300  
CHEMTREC (Intl) 703-527-3887

## 2. HAZARDS IDENTIFICATION

**Appearance and Odor:** White fibrillated fiber; no odor. Product is in dry form.

**Statements of Hazard:** This product contains no OSHA regulated (hazardous) components. No Permissible Exposure Limits (PEL/TLV) have been established by OSHA or ACGIH. No warning statement. Under normal conditions of use, this product is not expected to create any unusual emergency hazards.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>% WT</u>	<u>SARA 313 reportable</u>	<u>Exposure Limits</u>
Acrylic copolymer	24980-62-9	96 - 100 %	No	None established
Water	7732-18-5	0 - 4%	No	None established

## 4. FIRST AID MEASURES

No specific first aid procedures are necessary for accidental exposure to this product

## 5. FIRE FIGHTING MEASURES

**Extinguishing Medium:** Water, carbon dioxide or dry chemical.

**Specific Hazards:** No specific hazards or special equipment are required.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** None needed.
- Environmental Precautions:** None needed. This product is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations.
- Cleanup:** Sweep up dry fiber spills and place in a solid waste container. Wet fiber may be allowed to dry and disposed of as a non hazardous solid waste. Disposal must be in accordance with all local, state and federal regulations.

## 7. HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing. Maintain good housekeeping to control dust accumulation.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering Controls:

Engineering controls are not usually necessary if good hygiene practices are followed. However, rough handling of the dry product may generate dust. In this case ventilation should be provided to keep airborne dust levels below acceptable exposure limits. While no product specific limits have been defined, both OSHA (15 mg/m<sup>3</sup> total dust; 5 mg/m<sup>3</sup> respirable dust) and ACGIH (10 mg/m<sup>3</sup> total dust; 3 mg/m<sup>3</sup> respirable dust) have established limits for airborne particulates not otherwise regulated/classified.

### Personal Protective Equipment:

- Eyes:** This product does not cause significant eye irritation requiring special protection, however safety glasses with side shields are recommended to keep dust and fibers out of the eyes.
- Skin:** This product does not present a significant skin concern, but good industrial practice should be followed to avoid unnecessary skin contact. Product should be removed by washing thoroughly with soap and water.
- Respiratory:** A NIOSH approved respirator recommended by a professional industrial hygienist should be used if ventilation is unavailable or is inadequate for keeping dust levels below acceptable exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** White Fibrillated fiber
- Odor:** None
- Vapor Pressure/Density:** Not applicable
- Melting point:** Does not melt
- Boiling point:** Not applicable
- Density:** 1.17 g/cm<sup>3</sup>
- pH:** Not applicable
- Flash Point:** No data available
- Evaporation Rate:** Not applicable
- Water solubility:** None
- Viscosity:** Not applicable
- Flammability:** Not flammable
- Partition Coefficient:** No data available
- Autoignition Temperature:** 515°C (959°F)
- Decomposition Temperature:** >205°C (>400°F)

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Data not available.
<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerization:</b>	Not known to occur.
<b>Incompatible Materials:</b>	Strong acids, bases or amines. Strong oxidizing or reducing agents.
<b>Decomposition:</b>	Thermal decomposition may produce carbon monoxide, carbon dioxide, hydrogen cyanide, and/or oxides of nitrogen and sulfur.

## 11. TOXOLOGICAL INFORMATION

The toxicological properties of this material have not been fully investigated. Acute oral (rat) and dermal (rabbit) LD50 values are estimated to be greater than 5.0 g/kg and greater than 2.0 g/kg, respectively. The 4-hour inhalation (rat) LC50 value is estimated to be greater than 20 mg/L. Repeated dermal contact with this material did not cause clinically significant skin irritation or allergic reactions in human subjects. Regarding carcinogenicity, this product is not listed on the NTP, not classified under IARC, and not regulated by OSHA.

## 12. ECOLOGICAL EFFECTS

No aquatic LC50, BOD or COD data available. This product is a non-biodegradable solid.

## 13. DISPOSAL CONSIDERATIONS

This product is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations, 40CFR261. Dispose of in accordance with applicable governmental regulations for non-hazardous solid waste. Standard disposal containers are acceptable.

## 14. TRANSPORT INFORMATION

**HTC Number** - 5503.30. This product is not regulated as a hazardous material for transport.

## 15. REGULATORY INFORMATION

### CHEMICAL INVENTORIES

<b>U.S. TSCA:</b>	This product and its components are listed.
<b>Canadian NDSL:</b>	This product and its components are listed. This material meets the criteria for a manufactured item under the Canadian Environmental Protection Act (CEPA) and is not subject to the New Substances Notification Program.
<b>EU EINECS:</b>	The polymer contained within this product is exempt from listing in the European Inventory. The monomers used to manufacture this polymer are listed as required, as are all other components of this product.
<b>Australian AICS:</b>	This product and its components are listed.
<b>Japanese ENCS:</b>	This product and its components are listed.

## U.S. REGULATIONS

### Federal Regulations:

The Occupational Safety and Health Administration (OSHA), International Agency for Research on Cancer (IARC), National Toxicology Program (NTP), and American Conference of Governmental Industrial Hygienists (ACGIH) have not classified this product or its components as a carcinogen.

### State Regulations:

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This product and its components are not known to the state to cause cancer or reproductive toxicity.

### Environmental Regulations:

There are no components in this product regulated by the Environmental Protection Agency (EPA) under the Superfund Amendments and Reauthorization Act (SARA Title III) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

## 16. OTHER INFORMATION

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### Revision History:

07/15/2015	Revised for OSHA and GHS standards.
08/01/2011	Reviewed document, reformatted layout, corrected supplier telephone number, added new company logo.
09/01/2009	Added intended use and CAS information.
12/01/2008	Reviewed document, no changes.
08/07/2006	Reviewed document, no changes.
07/07/2003	Reviewed document, no changes.
05/03/2002	Added CFF V125 to synonym list to fix a previous oversight.
01/25/2001	Reformatted layout. Added new synonyms and updated regulatory information.
12/15/1997	Initial issue as Sterling MSDS to replace Cytec MSDS.