



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CTF Technical Fiber**
Synonyms: CTF126, CTF311, CTF326, CTF361, CTF366, CTF395, CTF525, CTFV110B2
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: Natural (off-white) fiber; no odor.

Statements of Hazard: 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

This product contains no OSHA regulated (hazardous) components. No Permissible Exposure Limits (PEL/TLV) have been established by OSHA or ACGIH.

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.

Autoignition Temperature: 515°C (959°F)

Decomposition Temperature: >205°C (>400°F) Thermal decomposition may produce carbon monoxide, carbon dioxide, hydrogen cyanide, and/or oxides of nitrogen and sulfur.

6. ACCIDENTAL RELEASE MEASURES

Environmental Protection: 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.

Collection: Sweep up spills and place in a solid waste container. 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 and ACGIH 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

Physical state:	Fibrous solid
Color:	Natural (off-white)
Odor:	None
Melting point:	Does not melt
Boiling point:	Not applicable
Vapor pressure:	Negligible
Density:	1.17 g/cm ³
% Volatile:	Not applicable
Water solubility:	None

10. STABILITY AND REACTIVITY

Incompatible Materials: Strong acids, bases or amines.
Strong oxidizing or reducing agents.

Decomposition: 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.

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. This information is applicable ONLY to the Sterling product as-supplied.

14. TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transport.

15. REGULATORY INFORMATION**CHEMICAL INVENTORIES**

- U.S. TSCA:** This product and its components are listed.
- Canadian NDSL:** 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.
- EU EINECS:** 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.
- Australian AICS:** This product and its components are listed.
- Japanese ENCS:** 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:

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.
01/20/2008 Added CTF V110B2
08/17/2006 Reviewed document, no changes.
07/07/2003 Reviewed document, no changes.
01/25/2001 Reformatted layout. Added new synonyms and updated regulatory information.
12/15/1997 Initial issue as Sterling MSDS to replace Cytec MSDS.