Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-mandatory Form)
Form Approved
OMB No. 1218-0072

American Braiding & Manufacturing Corporation Style 344

Section I

Manufacturer's Name: American Braiding & Mfg. Corp.	Date Prepared: 3/1/06
Emergency Telephone Number: 732-938-6333	Address: 247 Old Tavern Road
Telephone Number for Information: 732-938-6333	Howell, NJ 07731

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	%
Components (Specific Chemical Identity; Common Name(s)):			
Polytetraflouroethylene (PTFE) CAS 9002-84-0			

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity	
Vapor Pressure (mm Hg)	N/A	Melting Point	
Vapor Density	N/A	Evaporation Rate	N/A
Solubility in Water: Insoluble			
Appearance & Odor: White fibrous rope.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): >400± Penskey-Marten CC	Flammable Limits: N/A
Autoignition Temperature: Not available	
Hazardous Combustion Products: Highly corrosive and toxic hydrogen fluoride forms during combustion. Other combustion gases are mostly carbon monoxide, carbon dioxide, hydrogen cyanide, ammomnia. Hydrocarbons, water and oxides of nitrogen	
Special Fire Fighting Procedures: PTFE thermal decomposition products begin at 200° C and up to 325° C are mainly monomer and waxy sublimate. Above 325° C gases such as hydrogen fluoride and perfluoroisobutylene, which can be fatal at low concentrations, are evolved.	
Fire Fighting Equipment: As in any fire wear SCBA and full protective turn out gear.	

Section V - Reactivity Data

Stability	Stable	X	Conditions to Avoid: N/A
	Unstable		
Incompatibility *(Materials To Avoid):* PTFE begins to thermally degrade rapidly above 400° C (800° F) and the degradation rate increases with temperature.			
Hazardous Decomposition or Byproducts: PTFE thermal decomposition products begin at 200° C and up to 325° C are mainly monomer and waxy sublimate. Above 325° C gases such as hydrogen fluoride and perfluoroisobutylene, which can be fatal at low concentrations, are evolved.			
Hazardous Polymerization	May Occur Will Not Occur	X	Conditions To Avoid: Incompatible with molten alkali metals and interhalogen compounds.

Section VI - Health Hazard Data

PTFE/Polyimide yarn products present minimal risk to human health and the environment when used as intended.			
Potential Health Effects: Breathing decomposition products from PTFE at 200° C smoking tobacco products contaminated with PTFE can produce flu-like symptoms (polymer fume fever) that usually lasts 36-48 hours. The symptoms may occur several hours after exposure. Gases may be emitted when PTFE is heated to 325° C that can be fatal at low concentrations.			
First Aid Measures: Eyes – Avoid rubbing eyes while handling this product. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician if irritation persists. Skin – Wash with soap and water after handling product. Prolonged contact may cause skin irritation. Get medical attention if irritation develops or persists. Ingestion – Not a probable entry route. However, in case of gastro-intestinal distress following ingestion, call a physician.			
Carcinogenicity: N/A	NTP? No	IARC Monographs? No	OSHA Regulated? No

Section VII - Precautions For Safe Handling & Use

Steps To Be Taken In Case Material Is Released or Spilled: Small Spill – Sweep up spilled solids. Place in clean container and seal for later disposal. Dust and fibers may be picked up with a suitable HEPA filter vacuum.
Waste Disposal Method: As prescribed by local and state regulations.
Precautions To Be Taken in Handling and Use: Use appropriate personal protective equipment during clean up. There are no special handling and storage procedures required.

Section VIII - Control Measures

Engineering controls:
Provide adequate exhaust ventilation to completely capture and remove vapors and gases from operations that involve heating PTFE products above 200° C.
Personal Protection:
Eyes & Face: Wear safety glasses with side shields for general eye protection.
Skin: Use gloves and long sleeve clothing to prevent skin exposure.
Respiratory: If this product is used at elevated temperatures or if airborne fibers and dusts are produced wear NIOSH / MSHA approved combination organic vapor / acid gas / dust-mist respirators.
Work/Hygienic Practices: Observe good industrial hygiene practices while handling this product with proper ventilation to maintain exposures below the applicable dusts & fibers limits.