

Material Safety Data Sheet

U.S. Department Labor

May be used to comply with

Occupational Safety and Health
Administration

OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) PTFE Thread Seal Tape	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name Fire Protection Products, Inc.	Emergency Telephone Number Call CHEMTREC 1 800 424-9300 or 1 703 527-3887
Address (number, Street, City, State, and Zip Code) 6241 Yarrow Dr., Ste. A	Telephone Number for Information 760 931-1168
Carlsbad, CA 92011	Date Prepared 7/26/2007
	Signature of Preparer (optional)

Section II – Hazard Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Polytetrafluoroethylene	90-100%		Thermal decomposition of the fluorocarbon chain in air leads to	
			the formation of oxidized products containing carbon, fluorine	
			and oxygen. Because these products decompose in part by	
			hydrolysis in alkaline solution, they can be quantitatively provided	
			an index of exposure. No TLVs are recommended at this time, but	
			Air concentration should be controlled as low as possible.	

Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	322-332 °C
Vapor (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water Insoluble	Service Temperature (°C) Max. 260		
Appearance and Odor Tape, White, no odor	Density (g/cm ³) 4 types available (0.4, 0.7, 0.8, 1.2)		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) Non flammable (Complies with UL 94V-0)	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Use that which is appropriate for the surrounding fire.			
Special Fire Fighting Procedures Persons exposed to thermal decomposition products of this material should wear self-contained breathing apparatus, full			
Protective equipment, and also gloves made of chloroprene rubber.			
Unusual Fire Explosion Hazards Fluorocarbon polymer is non-flammable in air and will not propagate flame. However under high temperature they can			
yield toxic particles, fumes, and gases. In case of fire, escape to the windward.			

(Reproduce locally)

OSHA 174, Sept. 1985

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Stable under normal conditions, but it may react with molten alkali such as metal sodium and fluorine at high temperature and pressure.
Incompatibility (<i>Materials to avoid</i>)			Stable under normal conditions, but it may react with molten alkali such as metal sodium and fluorine at high temperature and pressure.
Hazardous Decomposition or Byproducts			Above 250°C this product thermally degrades at a rate dependent on the Temperature, releasing toxic materials.
Hazardous polymerization	May Occur		Conditions to Avoid
N/A	Will Not Occur		N/A

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? See Health Hazards	Skin? N/A	Ingestion? N/A
Health Hazards (<i>Acute and Chronic</i>) Unheated fluorocarbon polymer is inert and there is no known instances of health hazard, when handling the unheated product. When heated at high temperature, it will thermally degrade, decompose and produce toxic fumes. Inhalation of such fumes will cause “Polymer Fume Fever”, which has symptoms very similar to influenza and can include headache, cough, fever, chills and chest discomfort. The symptoms do not occur until several hours after exposure and may pass within 36 to 48 hours, even in the absence of treatment.			
Carcinogenicity: Polytetrafluoroethylene	NTP? N/A	IARC Monographs? 3-Not classifiable as its carcinogenicity to humans	OSHA Regulated? N/A
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure See Health Hazards			
Emergency and First Aid Procedures N/A			

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled N/A
Waste Disposal Method Do not incinerate. Obey local rules, laws and regulations.
Precautions to Be Taken in Handling and Storing Keep away from heat and sources of ignition.
Other precautions Do not use for body transplantation and a contact with living body tissue and body fluids.

Section VIII – Control Measures

Respiratory Protection (<i>Specify Type</i>) N/A		
Ventilation	Local Exhaust N/A	Special N/A
	Mechanical (<i>General</i>) N/A	Other N/A
Protective Gloves N/A		Eye Protection N/A
Other Protective Clothing or Equipment N/A		
Work/Hygienic Practices N/A		

*U.S.G.P.O.:1986-491-529/45775