

MATERIAL SAFETY DATA SHEET

Swagelok PTFE Thread Sealing Tape

June 2007

**1. PRODUCT IDENTIFICATION**

Swagelok PTFE Thread Sealing Tape: Sealing tape

Manufactured by:  
Swagelok Company  
29495 F.A. Lennon Dr.  
Solon, Ohio USA 44139  
Tel: (440) 349-5600  
Fax: (440) 519-3304

Emergency Contact:  
Chemtrec (800) 424-9300

**2. INGREDIENTS**

Ingredients	CAS #	WT%	PEL
Polytetrafluoroethylene	9002-84-0	100	Not Available

**3. HEALTH HAZARD INFORMATION**

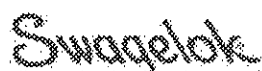
- European Community Danger Group:..... None.
- Special Hazards for man or environment: ..... None.
- LD<sub>50</sub> /LC<sub>50</sub> ..... Not Available

**Routes of Entry**

Skin Contact	Skin Absorption	Eye Contact	Inhalation	Ingestion
No	No	No	No	Yes

**4. FIRST AID MEASURES**

- If inhaled (Overexposure): Not expected to become a significant inhalation hazard under normal conditions of use.
- After contact with skin (Overexposure): Wash thoroughly with soap and water. If severe irritation develops, seek medical attention.
- After contact with eyes: Not expected to come in contact with eyes. In the unlikely event of eye exposure, no effects are expected other than the normal irritation produced by a foreign body in the eye. Flush with water to remove. Seek medical attention for lasting irritation.
- If swallowed: Seek medical attention.
- Medical information: Inhaling decomposition products can cause temporary influenza-like symptoms which are described as "polymer fume fever". Symptoms include fever, cough, and malaise.



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### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents: Carbon dioxide, foam, water, agent suitable for environment.
- Not suitable for safety reasons: None known.
- Special dangers caused by substance preparation itself, by combustion products or gases formed: At temperatures above 700°F/371°C, may produce decomposition products containing carbon monoxide, carbon dioxide, hydrogen fluoride, and toxic organo-fluorine compounds.
- Additional information: None.

Autoignition	UEL	LEL	Sensitivities
Not Applicable	Not Available	Not Available	Not Available

### 6. ACCIDENTAL RELEASE MEASURES

- Measures for protection of people: Eye and hand protection as needed to minimize excessive exposure.
- Measures for protection of the environment: None required.
- Cleaning measures: Spills cannot occur. Dispose of any excess material in a safe manner. Incineration is to be avoided.
- Additional information: None.

### 7. HANDLING AND STORAGE

- Safety information: None.
- Information on protection from fire or explosion: May decompose when heated above 700°F/371°C.
- Additional information: Store in a cool, dry place for optimal product performance.

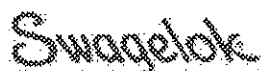
### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Precautionary measures to protect employees: None required.
- Respiratory protection: None required.
- Hand protection: Rubber gloves are recommended to minimize exposure.
- Eye protection: Safety glasses are recommended to minimize exposure.
- Skin protection: As desired to minimize skin exposure. Wash hands after use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> White Tape	<b>Odor</b> None	<b>pH</b> Not Applicable	<b>Density</b> 2.2 gm/cm <sup>3</sup>	<b>Vapor Pressure</b> Not Applicable
<b>Boiling Point</b> Not Applicable	<b>Melting Point</b> Not Available	<b>Flash Point</b> Not Available	<b>Flammability</b> Not Applicable	<b>Explosive</b> Not Applicable

### 10. STABILITY AND REACTIVITY



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- Conditions to avoid: At temperatures above 700°F/371°C, hazardous fumes may be generated.
- Materials to avoid: Powdered aluminum or magnesium above 600°F.
- Hazardous decomposition products: Carbon monoxide, carbon dioxide, hydrogen fluoride, and toxic organo-fluorine compounds.

### 11. TOXICOLOGICAL INFORMATION

- Acute toxic properties: None known.
- Health effects: Toxic organo-fluorine fumes when heated above 700°F/371°C.
- Additional health effects: None known.

Sensitization	Teratogenicity	Reproductive Toxicity	Mutagenicity	Synergistic Products	Carcinogenicity
Not Available	Not Available	Not Available	Not Available	Not Available	Listed ingredients are not suspected carcinogens according to NTP, IARC, and OSHA

### 12. ECOLOGICAL INFORMATION

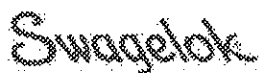
- Mobility: Not applicable.
- Degradability: Not established.
- Accumulation: No known adverse bioaccumulation or biomagnification effects.
- Short / Long term effects on ecotoxicity: No known ecological affects.

### 13. DISPOSAL CONSIDERATIONS

- Appropriate methods of disposal: Unused product not considered a hazardous waste in the United States. Avoid incineration. Dispose of in a responsible manner.
- European Community (EC) considerations: Use appropriate waste codes based on ingredients.

### 14. TRANSPORT INFORMATION

- Transport precautions: Consult applicable regulations when transporting this product.
- Additional information: None.



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**15. REGULATORY INFORMATION**

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- EC regulations: This product has been classified under CHIP-96 guidelines based on chemical content.
- US/Canadian regulation listings: SARA 313 - NO, TSCA - YES, Canada's Controlled Products - NO
- EC Relevant risk: None.
- EC Relevant safety: None.
- Additional information: Consult country codes for specific requirements.

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**16. OTHER INFORMATION**

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- Further information contact: Your Swagelok Distributor or the contacts listed in Section 1 of this sheet.
- Sources of information used to compile document: Properties of individual ingredients were used to compile this document. This Material Safety Data Sheet was designed to give the distributors and users of Swagelok PTFE Thread Sealing Tape information to handle and use the product in a responsible manner.

Preparation Data		
Environmental and Safety Department	(440)349-5962	June 2007