

**PRODUCT: PTFE THREAD SEAL TAPE**

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer:**

ANTI-SEIZE TECHNOLOGY  
2345 N. 17<sup>TH</sup> AVE.  
FRANKLIN PARK, IL 60131  
Emergency Phone No: (800) 535-5053

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients Percentage: None

Other Ingredients:	CAS	%
Polytetrafluoroethylene	9002-84-0	99.5

Odorless, white solid tape. As sold this product present no know health hazards. At temperatures above 535° F the polymer will break down and the fumes could cause a temporary flu-like illness. No smoking while handling this product.

**SECTION 3: HAZARD IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS:**

EYE: No harmful effects anticipated for product as sold.

SKIN CONTACT: No harmful effects anticipated for product as sold.

SKIN ABSORPTION: Skin absorption is unlikely do to the physical properties of the product.

INGESTION: No harmful effects anticipated for product as sold.

INHALATION: Inhalation is unlikely do to the physical properties of the product.

**CHRONIC EFFECTS/CARCINOGENICITY:**

PTFE is not listed by IARC, NTP, OSHA, or ACGIH as a carcinogen. No significate effect anticipated. Repeated oral doses of polymer resin yield non-toxic effects except for alteration in the number of circulating white blood cells after long-term dosing. Test demonstrated not developmental toxicity in animals and no genetic damage in animals or in bacterial cell cultures.

**SECTION 4: FIRST AID MEASURES**

INHALATION: Unlike route of entry for product sold. If exposed to fumes from overheating or combustion, move to fresh air. Consult of physician if symptoms persist.

SKIN CONTACT: This product is not likely to be hazardous by skin contact, but if redness or itching develops, then cleansing the skin with water is advisable.

EYE: Unlikely route of entry for product as sold. If mechanical irritation occurs, flush eyes with plenty of water. Consult a physician if symptoms persist.

INGESTION: Unlikely route of entry for product as sold. Consult a physician if necessary.

NOTE TO PHYSICIAN: Inhaling fumes of decomposition products can induce temporary influenza-like symptoms which are describe as polymer fume fever. These symptoms include fever, cough and malaise.

## **SECTION 5: FIRE FIGHTING MEASURES**

FLASH POINT: Does not flash

METHOD: Open cup

AUTOIGNITION TEMPERATURE: Not available

FLAMMABILITY LIMITS: Not Applicable

EXTINGUISHING MEDIA: Water, foam, dry chemical, or CO<sub>2</sub>.

FIRE AND EXPLOSION HAZARDS: PTFE will burn in an atmosphere of 95% Oxygen when an ignition source is present. Hazardous gases/vapors product in a fire are hydrogen fluoride (HF) carbonyl fluoride, perfluoroolefins, carbon monoxide, and low molecular weight fluorocarbons.

FIRE EXTINGUISHING EQUIPMENT: Wear self-containing breathing apparatus. Wear full protective equipment. Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid. Wear neoprene glove when handling refuse from a fire involving PTFE.

## **SECTION 6: ACCIDENTAL RELEASE MEASURE**

Sweep to avoid slipping hazard.

## **SECTION 7: HANDLING AND STORAGE**

Enforce not smoking rules in areas where PTFE is handled and stored. Wash hands and face after handling to avoid transfer of PTFE onto cigarettes and tobacco.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

No special personal protection or exposure controls are indicated for this product as sold except those mentioned in section 5.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point: 648°F  
Water Solubility: Insoluble  
Odor: None  
Appearance: White solid tape  
Specific Gravity: Greater than 1.2

## **SECTION 10: STABILITY AND REACTIVITY**

Stability: Stable at normal temperature and storage conditions  
Hazardous Polymerization: Will not occur  
Incompatibility: Reacts with molten alkali metals and interhalogen compounds  
Hazardous Decomposition Products: Above 535°F this product may evolve toxic gaseous material such as hydrogen fluoride (HF) carbonyl fluoride, perfluoroolefins, carbon monoxide and low molecular weight fluorocarbons. Particulate matter evolved from overheating may cause polymer fume fever.

# SSP Material Safety Data Sheet

**OTHER INFORMATION:** No shelf life. The federal government has established a three year inspection test date.

Waste disposal: Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Preferred option for disposal are recycling and landfill. Incinerate only incinerator is capable of scrubbing out hydrogen fluoride or other acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, state and local regulation.

DOT: Not regulated TSC Inventory: Listed

SARA313/302: Not listed 311/312: Not hazardous Pennsylvania: Hazardous Substance List

References: Supplier MSDA

(This information is given in good faith, but no warranty, expressed or implied is made.)

PTFETAPE-MSDS-16A