



# PTFE Tape

## Safety Data Sheet

In accordance with JIS Z 7253 and JIS Z 7252

Date of Issue:  
2021/02/09

Version: 1.0

### SECTION 1: CHEMICAL IDENTIFIER AND COMPANY IDENTIFICATION

#### Product Identifier

Product Form : Substance  
Product Name : PTFE Tape

#### Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Use Of The Substance/Mixture : The tape is intended as an antiseize and sealant of pipe threads of liquid and gaseous oxygen systems of 2,000 psi or less. Do not use with molten alkali metals, fluorine and other halogens, strong oxidizing agents

#### Details Of The Supplier Of The Safety Data Sheet

##### Company

Swagelok Manufacturing Company, LLC  
29495 F.A. Lennon Drive  
Solon, Ohio 44139  
440-519-4000  
[www.swagelok.com](http://www.swagelok.com)

##### Manufacturer

Swagelok Manufacturing Company, LLC  
29495 F.A. Lennon Drive  
Solon, Ohio 44139  
440-519-4000  
[www.swagelok.com](http://www.swagelok.com)

#### Emergency Telephone Number

Emergency Number : Infotrac: 1-800-535-5053

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification Of The Substance Or Mixture

GHS-JP Classification Not classified

Label Elements No labeling applicable

**Other Hazards** Exposure may aggravate pre-existing eye, skin, or respiratory conditions. If the product is processed and dusts are generated and become dispersed with an ignition source, this may cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations. If heated above 371 °C, this product will decompose producing toxic and corrosive fumes.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Distinction Of Substance Or Mixture : Substance

Within the meaning of JIS Z 7253 and JIS Z 7252 the chemical composition of this product is not required to be disclosed.

### SECTION 4: FIRST-AID MEASURES

#### Description Of First Aid Measures

First-Aid Measures General : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures After Inhalation : Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

First-Aid Measures After Skin Contact : Remove contaminated clothing. Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Eye Contact : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Personal Protection In First Aid And Measures : Use appropriate personal protective equipment (PPE).

#### Most Important Symptoms And Effects, Both Acute And Delayed

Symptoms/Effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Effects After Inhalation : Not expected to be a primary route of exposure. Inhalation of fumes from overheating may cause polymer fume fever, a temporary flu-like illness with fever, chills and sometimes cough, of approximately 24 hours duration. If dust is generated: Dust may be harmful or cause irritation.

Symptoms/Effects After Skin Contact : Prolonged exposure may cause skin irritation.

Symptoms/Effects After Eye Contact : May cause slight irritation to eyes.

# PTFE Tape

## Safety Data Sheet

In accordance with JIS Z 7253 and JIS Z 7252

Symptoms/Effects After Ingestion : Ingestion may cause adverse effects.  
Chronic Symptoms : None expected under normal conditions of use.

### Indication Of Any Immediate Medical Attention And Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

Suitable Extinguishing Media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable Extinguishing Media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising From The Substance Or Mixture

Fire Hazard : Non-combustible, substance itself does not burn but may decompose upon heating.  
Explosion Hazard : Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.  
Reactivity : Hazardous reactions will not occur under normal conditions.

### Advice For Firefighters

Precautionary Measures Fire : Exercise caution when fighting any chemical fire.  
Firefighting Instructions : Use water spray or fog for cooling exposed containers.  
Protection During Firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.  
Hazardous Combustion Products : If heated above 371 °C, this product will decompose producing toxic and corrosive fumes. Carbon oxides (CO, CO<sub>2</sub>). Carbonyl fluoride. Carbon tetrafluoride. Fluorine compounds. Hydrogen fluoride. Toxic organo-fluorine compounds..  
Other Information : This product contains an ingredient that is a potential combustible dust. In sufficient quantities in air with an ignition source this material may present a combustible dust hazard. Take appropriate precautions, avoid sparks and other ignition sources.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment And Emergency Procedures

General Measures : Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
Prevention Measures For Secondary Accidents : Avoid raising dust. Eliminate ignition sources.

### For Non-Emergency Personnel

Protective Equipment : Use appropriate personal protective equipment (PPE).  
Emergency Procedures : Evacuate unnecessary personnel.

### For Emergency Responders

Protective Equipment : Equip cleanup crew with proper protection.  
Emergency Procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### Environmental Precautions

Prevent Entry To Sewers And Public Waters.

### Methods And Material For Containment And Cleaning Up

For Containment : Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.  
Methods For Cleaning Up : Clean up spills immediately and dispose of waste safely. In solid form: Mechanically recover the product. For particulates and dust: Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Use only non-sparking tools. Contact competent authorities after a spill.

### Reference To Other Sections

See Section 8 For Exposure Controls And Personal Protection And Section 13 For Disposal Considerations.

# PTFE Tape

## Safety Data Sheet

In accordance with JIS Z 7253 and JIS Z 7252

### SECTION 7: HANDLING AND STORAGE PRECAUTIONS

#### Precautions For Safe Handling

##### Additional Hazards When Processed

: If heated above 371 °C, this product will decompose producing toxic and corrosive fumes. Inhalation of fumes from overheating may cause polymer fume fever, a temporary flu-like illness with fever, chills and sometimes cough, of approximately 24 hours duration. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

##### Precautions For Safe Handling

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid creating or spreading dust. Avoid breathing dust. Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

##### Hygiene Measures

: Handle in accordance with good industrial hygiene and safety procedures.

#### Conditions For Safe Storage, Including Any Incompatibilities

##### Technical Measures

: Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

##### Storage Conditions

: Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

##### Incompatible Materials

: Strong acids, strong bases, strong oxidizers. Halogenated compounds.

#### Specific End Use(S)

The tape is intended as an antiseize and sealant of pipe threads of liquid and gaseous oxygen systems of 2,000 psi or less. Do not use with molten alkali metals, fluorine and other halogens, strong oxidizing agents

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Control Parameters** No data available

**Biological Limits** No data available

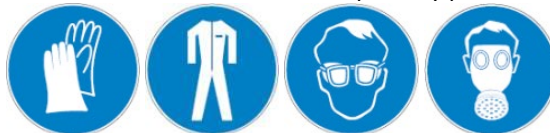
#### Exposure Controls

##### Appropriate Engineering Controls

: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. For particulates and dust: Proper grounding procedures to avoid static electricity should be followed. Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure all national/local regulations are observed.

##### Personal Protective Equipment

: Not generally required. The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



##### Materials For Protective Clothing

: Chemically resistant materials and fabrics.

##### Hand Protection

: Wear protective gloves.

##### Eye and Face Protection

: Chemical safety goggles.

##### Skin And Body Protection

: Wear suitable protective clothing.

##### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

##### Thermal Hazard Protection

: If material is hot, wear thermally resistant protective gloves.

# PTFE Tape

## Safety Data Sheet

In accordance with JIS Z 7253 and JIS Z 7252

Other Information : When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information On Basic Physical And Chemical Properties

Physical State	: Solid
Appearance	: White tape
Odor	: Odorless
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: 338.89 °C (642.00 °F)
Freezing Point	: -341 °C (-581.80 °F)
Boiling Point	: No data available
Flash Point	: No data available
Auto-Ignition Temperature	: No data available
Decomposition Temperature	: 371 °C (699.80 °F)
Flammability (Solid, Gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density At 20 °C	: No data available
Relative Density	: 2.2 (Water=1)
Solubility	: Water: Insoluble
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
Explosion Limits	: No data available

**Other Information** No data available

### SECTION 10: STABILITY AND REACTIVITY

#### Reactivity

Hazardous reactions will not occur under normal conditions.

#### Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

#### Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

#### Conditions To Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).

#### Incompatible Materials

Strong acids, strong bases, strong oxidizers. Halogenated compounds.

#### Hazardous Decomposition Products

None expected under normal conditions of use. If heated above 371 °C, this product will decompose producing toxic and corrosive fumes. Carbon oxides (CO, CO<sub>2</sub>). Carbonyl fluoride. Carbon tetrafluoride. Fluorine compounds. Hydrogen fluoride. Toxic organo-fluorine compounds.

### SECTION 11: HAZARD INFORMATION

#### Information On Toxicological Effects

Acute Toxicity (Oral)	: Not classified.
Acute Toxicity (Dermal)	: Not classified.
Acute Toxicity (Inhalation)	: Not classified.
Skin Corrosion/Irritation	: Not classified.
Serious Eye Damage/Irritation	: Not classified.
Respiratory Or Skin Sensitization	: Not classified.
Germ Cell Mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive Toxicity	: Not classified.
Stot-Single Exposure	: Not classified.

# PTFE Tape

## Safety Data Sheet

In accordance with JIS Z 7253 and JIS Z 7252

STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.
Potential Adverse human health effects and symptoms	: Not classified.
Other Information	: If heated above 371 °C, this product will decompose producing toxic and corrosive fumes. Inhalation of fumes from overheating may cause polymer fume fever, a temporary flu-like illness with fever, chills and sometimes cough, of approximately 24 hours duration.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Aquatic Acute	: Not classified.
Aquatic Chronic	: Not classified.
Ecology - General	: Not classified.

### Persistence And Degradability

PTFE Tape	
Persistence and Degradability	Not established.

### Bioaccumulative Potential

PTFE Tape	
Bioaccumulative Potential	Not established.

### Mobility In Soil

PTFE Tape	
Ecology - Soil	Not established.

### Other Adverse Effects

Hazardous To The Ozone Layer	: Not classified.
Other Information	: Avoid release to the environment.

## SECTION 13: NOTES ON DISPOSAL

### Waste Treatment Methods

Waste Disposal Recommendations	: Dispose of contents/container in accordance with local, regional, national, and international regulations.
Ecology - Waste Materials	: Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**In Accordance with UNRTDG** Not regulated for transport

**In Accordance with IATA** Not regulated for transport

**In Accordance with IMDG/IMO** Not regulated for transport

**Transport in Bulk According to Annex II of MARPOL and The IBC Code** Not applicable

### Other Information

Other information : No supplementary information available.

## SECTION 15: REGULATORY INFORMATION

### Regulatory Information

PTFE Tape	
Foreign Exchange and Foreign Trade Control Act	Export Trade Control Ordinance appendix 1-16
<b>Regulatory Reference</b> Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the Canadian DSL (Domestic Substances List) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals)	

# PTFE Tape

## Safety Data Sheet

In accordance with JIS Z 7253 and JIS Z 7252

Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (National Chemicals Inventory)

### SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision : 2021/02/09

Data Sources : This document has been prepared in accordance with the SDS requirements of the Japanese Hazard Communication Standard(s); JIS Z 7253 and JIS Z 7252.

Japan GHS SDS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*