

# PTFE TAPE THREAD SEALANT

## Safety Data Sheet

### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** • PTFE Tape

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified 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.

**Use(s) advised against** • Incompatible with molten alkali metals, fluorine and other halogens, strong oxidizing agents.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** • Plastic Process Equipment  
8303 Corporate Park Dr.  
Macedonia, OH 44056  
United States

**Telephone (General)** • 216-367-7000

#### 1.4 Emergency telephone number

**Manufacturer** • (800)-535-5053

### Section 2: Hazards Identification

#### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]  
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

#### 2.1 Classification of the substance or mixture

**CLP** • Not classified

**DSD/DPD** • Not classified

#### 2.2 Label Elements

**CLP**

**Hazard statements** • No label element(s) required

**DSD/DPD**

**Risk phrases** • No label element(s) required

#### 2.3 Other Hazards

**CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

**DSD/DPD** • This product is not considered dangerous under the European Directive 67/548/EEC

**UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**2.1 Classification of the substance or mixture**

- UN GHS
- Not classified

**2.2 Label elements**

- UN GHS
- Hazard statements**
- No label element(s) required

**2.3 Other hazards**

- UN GHS
- According to the Globally Harmonized System for Classification and Labeling (GHS) this product is not considered hazardous.

**United States (US)**

According to: OSHA 29 CFR 1910.1200 HCS

**2.1 Classification of the substance or mixture**

- OSHA HCS 2012
- Not classified

**2.2 Label elements**

- OSHA HCS 2012
- Hazard statements**
- No label element(s) required

**2.3 Other hazards**

- OSHA HCS 2012
- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

**Canada**

According to: WHMIS

**2.1 Classification of the substance or mixture**

- WHMIS
- Not classified

**2.2 Label elements**

- WHMIS
- No label element(s) required.

**2.3 Other hazards**

- WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

**Section 3 - Composition/Information on Ingredients****3.1 Substances**

| Composition   |             |   |           |   |          |
|---------------|-------------|---|-----------|---|----------|
| Chemical Name | Identifiers | % | LD50/LC50 | Classifications According to Regulation/Directive | Comments |
|               |             |   |           | UN GHS: Not Classified                            |          |

|                         |               |      |     |   |     |
|-------------------------|---------------|------|-----|---|-----|
| Polytetrafluoroethylene | CAS:9002-84-0 | 100% | NDA | EU DSD/DPD: Not Classified<br>EU CLP: Not Classified<br>OSHA HCS 2012: Not Classified | NDA |
|-------------------------|---------------|------|-----|---|-----|

### 3.2 Mixtures

- Material does not meet the criteria of a mixture.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

#### Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub eyes. If eye irritation persists: Get medical advice/attention.

#### Ingestion

- If swallowed, seek medical advice immediately and show this container or label.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- Unlikely to cause ill effects. Inhaling fumes of decomposition products can cause temporary influenza-like symptoms are described as "polymer fume fever". Symptoms include fever, cough and malaise.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

- SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
LARGE FIRE: Water spray, fog or regular foam.

#### Unsuitable Extinguishing Media

- No data available.

### 5.2 Special hazards arising from the substance or mixture

#### Unusual Fire and Explosion Hazards

- Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

#### Hazardous Combustion Products

- At temperatures above 700°F/371°C, may produce decomposition products containing carbon monoxide, carbon dioxide, hydrogen.

### 5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

#### Emergency Procedures

- Keep unauthorized personnel away. Stay upwind.

### 6.2 Environmental precautions

- No special precautions required.

### 6.3 Methods and material for containment and cleaning up

#### Containment/Clean-up Measures

- Stop leak if you can do it without risk.  
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.  
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.  
Wash spill area with appropriate cleaner.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

- Use good safety and industrial hygiene practices. Avoid prolonged skin contact. Avoid contact with eyes. No smoking while handling material. PTFE transferred to tobacco products can cause Polymer Fume Fever which exhibits flu like symptoms. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

- Store in a cool, dry place for optimal product performance. Store away from oxidizers. May decompose when heated above 700°F/371°C.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

| Exposure Limits/Guidelines   |        |   |  |  |   |  |
|--|--------|---|--|--|---|--|
|  | Result | ACGIH   | Canada Ontario   | Canada Quebec  | China   | Korea  |
| Polytetrafluoroethylene<br>as Particulates not<br>otherwise classified<br>(PNOC) | STELs  | Not established   | Not established  | Not established  | 16 mg/m <sup>3</sup> STEL<br>(free SiO <sub>2</sub> <10%,<br>except asbestos<br>and toxic<br>substances. Use<br>PC-STEL of silica<br>When free SiO <sub>2</sub><br>>10%, total)<br><br><i>as Particulates not<br/>otherwise classified<br/>(PNOC)</i> | Not established  |
|  | TWAs   | 10 mg/m <sup>3</sup> TWA<br>(inhalable particles,<br>recommended); 3<br>mg/m <sup>3</sup> TWA<br>(respirable particles,<br>recommended)<br><br><i>as Particulates not<br/>otherwise classified<br/>(PNOC)</i> | 10 mg/m <sup>3</sup> TWA<br>(inhalable); 3 mg/m <sup>3</sup><br>TWA (respirable)<br><br><i>as Particulates not<br/>otherwise classified<br/>(PNOC)</i> | 2.5 mg/m <sup>3</sup> TWAEV<br>(decomposition<br>products; determine<br>quantitatively the<br>decomposition<br>products in the air and<br>express the results as<br>Fluorides, listed under<br>Polytetrafluoroethylene<br>decomposition<br>products) | 8 mg/m <sup>3</sup> TWA (free<br>SiO <sub>2</sub> <10%, except<br>asbestos and toxic<br>substances. Use<br>PC-TWA of silica<br>When free SiO <sub>2</sub><br>>10%, total)<br><br><i>as Particulates not<br/>otherwise classified<br/>(PNOC)</i>       | 10 mg/m <sup>3</sup> TWA (no<br>more than 1%<br>crystalline silica,<br>Serial No. 717)<br><br><i>as Particulates not<br/>otherwise classified<br/>(PNOC)</i> |

### Exposure Limits/Guidelines (Con't.)

|                         | Result | OSHA   |
|-------------------------|--------|--|
| Polytetrafluoroethylene | TWAs   | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)<br><br><i>as Particulates not otherwise classified (PNOC)</i> |

## 8.2 Exposure controls

### Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal Protective Equipment

#### Respiratory

- Use of a NIOSH approved organic vapor respirator when the product is being used in high temperature applications.

#### Eye/Face

- Use good standard practices when using this material.

#### Skin/Body

- Use good standard practices when using this material.

### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

#### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

| Material Description              |                       |                        |  |
|-----------------------------------|-----------------------|------------------------|--|
| Physical Form                     | Solid                 | Appearance/Description | Natural (white) non-pigmented, non-toxic, plastic tape with no odor. |
| Color                             | Natural (white)       | Odor                   | Odorless   |
| Odor Threshold                    | Data lacking          |                        |  |
| General Properties                |                       |                        |  |
| Boiling Point                     | Data lacking          | Melting Point          | 642 F(338.8889 C)  |
| Decomposition Temperature         | > 700 F(> 371.1111 C) | pH                     | Data lacking   |
| Specific Gravity/Relative Density | 2.1 to 2.2 Water=1    | Water Solubility       | Insoluble  |
| Viscosity                         | Data lacking          | Explosive Properties   | Data lacking   |
| Oxidizing Properties:             | Data lacking          |                        |  |
| Volatility                        |                       |                        |  |
| Vapor Pressure                    | Data lacking          | Vapor Density          | Data lacking   |
| Evaporation Rate                  | Data lacking          | VOC (Wt.)              | 0 %  |
| VOC (Vol.)                        | 0 %                   | Volatiles (Wt.)        | 0 %  |
| Volatiles (Vol.)                  | 0 %                   |                        |  |
| Flammability                      |                       |                        |  |
| Flash Point                       | Data lacking          | UEL                    | Data lacking   |

|                                     |              |              |              |
|-------------------------------------|--------------|--------------|--------------|
| LEL                                 | Data lacking | Autoignition | Data lacking |
| Flammability (solid, gas)           | Data lacking |              |              |
| <b>Environmental</b>                |              |              |              |
| Octanol/Water Partition coefficient | Data lacking |              |              |

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- May give off hazardous fumes at temperatures above 392°F/200°C

### 10.5 Incompatible materials

- Relatively inert, as long as it is used at temperatures not exceeding 550°F.

### 10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, hydrogen fluoride, and toxic organo-fluorine compounds.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

| GHS Properties            | Classification   |
|---------------------------|--|
| Acute toxicity            | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| Aspiration Hazard         | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| Carcinogenicity           | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| Germ Cell Mutagenicity    | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| Skin corrosion/Irritation | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
|                           | EU/CLP • Data lacking  |

|                                      |  |
|--------------------------------------|--|
| <b>Skin sensitization</b>            | OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking                          |
| <b>STOT-RE</b>                       | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| <b>STOT-SE</b>                       | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| <b>Toxicity for Reproduction</b>     | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| <b>Respiratory sensitization</b>     | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |
| <b>Serious eye damage/Irritation</b> | EU/CLP • Data lacking<br>OSHA HCS 2012 • Data lacking<br>UN GHS • Data lacking |

## Potential Health Effects

### Inhalation

- Acute (Immediate)**
  - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
  - No data available.

### Skin

- Acute (Immediate)**
  - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
  - No data available.

### Eye

- Acute (Immediate)**
  - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
  - No data available.

### Ingestion

- Acute (Immediate)**
  - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
  - No data available.

## Section 12 - Ecological Information

### 12.1 Toxicity

- No known ecological effects.

### 12.2 Persistence and degradability

- Not established.

### 12.3 Bioaccumulative potential

- No known adverse bioaccumulation or biomagnification effects.

### 12.4 Mobility in Soil

- Not applicable.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

## 12.6 Other adverse effects

- No studies have been found.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

|           | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|-----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT       | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |
| TDG       | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |
| IMO/IMDG  | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |
| IATA/ICAO | NDA            | Not Regulated                | NDA                             | NDA                | NDA                        |

#### 14.6 Special precautions for user

- None specified.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • None

| State Right To Know     |           |    |    |     |
|-------------------------|-----------|----|----|-----|
| Component               | CAS       | MA | NJ | PA  |
| Polytetrafluoroethylene | 9002-84-0 | No | No | Yes |

| Inventory               |           |            |             |       |           |           |
|-------------------------|-----------|------------|-------------|-------|-----------|-----------|
| Component               | CAS       | Canada DSL | Canada NDSL | China | EU EINECS | EU ELNICS |
| Polytetrafluoroethylene | 9002-84-0 | Yes        | No          | Yes   | No        | No        |

| Inventory (Con't.)      |           |            |            |      |
|-------------------------|-----------|------------|------------|------|
| Component               | CAS       | Japan ENCS | Korea KECL | TSCA |
| Polytetrafluoroethylene | 9002-84-0 | Yes        | Yes        | Yes  |

## Australia

### Labor

#### Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

- Polytetrafluoroethylene

9002-84-0 Not Listed



**Australia - High Volume Industrial Chemicals List**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Australia - List of Designated Hazardous Substances - Classification**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Environment****Australia - National Pollutant Inventory (NPI) Substance List**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Australia - Ozone Protection Act - Scheduled Substances**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Australia - Priority Existing Chemical Program**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Canada****Labor****Canada - WHMIS - Classifications of Substances**

|                           |           |   |
|---------------------------|-----------|---|
| • Polytetrafluoroethylene | 9002-84-0 | Uncontrolled product according to WHMIS classification criteria |
|---------------------------|-----------|---|

**Canada - WHMIS - Ingredient Disclosure List**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Environment****Canada - CEPA - Priority Substances List**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Europe****Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan****Labor****Japan - ISHL Dangerous Substances**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Designated Carcinogens**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Harmful Substances Prohibited for Manufacture**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Harmful Substances Requiring Workers to Subject to Medical Exams**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Harmful Substances Subject to Obtaining Permission for Manufacturing**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Harmful Substances Whose Names Are to be Indicated on the Label**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Prevention of Lead Poisoning**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Mutagens - Existing Chemicals**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Mutagens - New Chemicals**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - ISHL Notifiable Substances**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Environment****Japan - Air Pollution Control Law - Emission Standards for Air Pollutants**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Annual Air Quality**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Daily Air Quality**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Groundwater**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Hourly Air Quality**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Soil Pollution**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Public Water/Groundwater - Monitored Substances and Guideline Values**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Environmental Quality Standards - Public Water - Protection of Human Health**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Fluorocarbons Recovery and Destruction Law**

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**Japan - Offensive Odor Regulations - Specified Offensive Odor Substances - Maximum Permissible Concentration (MPCs)**

|  |           |            |
|--|-----------|------------|
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex A Group I</b>                    |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex A Group II</b>                   |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex B Group I</b>                    |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex B Group II</b>                   |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex B Group III</b>                  |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex C Group I</b>                    |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex C Group II</b>                   |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex C Group III</b>                  |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Ozone Depleting Substances - Annex E Group I</b>                    |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Pollutant Release Transfer Register (PRTR) - Class 2 Substances</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)</b>  |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |

## Other

|   |           |            |
|---|-----------|------------|
| <b>Japan - Drinking Water Quality Standards - Supplied Water Quality Standard Values</b>        |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Japan - Drinking Water Quality Standards - Quality Control Guideline Values</b>              |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Japan - Drinking Water Quality Standards - Quality Control Guideline Values - Pesticides</b> |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Japan - Chemical Substance Control Law (CSCL) - Examined Existing Chemical Substances</b>    |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Japan - Fire Service Law - Hazardous Materials</b>   |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Japan - Harmful Substances in Household Products</b>   |           |            |

|  |           |            |
|--|-----------|------------|
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - ISHL Prevention of Tetraalkyl Lead Poisoning</b>                                  |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Japanese Pharmacopoeia Listing - Synthetics</b>                                   |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Japanese Pharmacopoeia Listing - Naturally Occurring Substances</b>               |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Chemical Substance Control Law (CSCL) - Monitoring Chemical Substances</b>        |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Poisonous and Deleterious Substances</b>  |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Chemical Substance Control Law (CSCL) - Specified Chemical Substances</b>         |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Poisonous and Deleterious Substances - Substances Not Considered Deleterious</b>  |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - Poisonous and Deleterious Substances - Substances Not Considered Poisonous</b>    |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Japan - ISHL Working Environment Evaluation Standards - Administrative Control Levels</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |

## Korea

### Labor

#### Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### Korea - ISHA - Harmful Substances Requiring Permission

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

### Environment

#### Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

### Other

#### Korea - MOE - Toxic Chemicals Control Act (TCCA) - Prohibited Chemicals

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### Korea - MOE - Toxic Chemicals Control Act (TCCA) - Restricted Chemicals

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### Korea - MOE - Toxic Chemicals Control Act (TCCA) - Toxic Chemicals

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

## United States

### Labor

#### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - OSHA - Specifically Regulated Chemicals

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

### Environment

#### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - California - Proposition 65 - Developmental Toxicity

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - California - Proposition 65 - Reproductive Toxicity - Female

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

#### U.S. - California - Proposition 65 - Reproductive Toxicity - Male

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

## United States - Pennsylvania

### Labor

#### U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

|                           |           |            |
|---------------------------|-----------|------------|
| • Polytetrafluoroethylene | 9002-84-0 | Not Listed |
|---------------------------|-----------|------------|

**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**

• Polytetrafluoroethylene

9002-84-0

Not Listed

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## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

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## Section 16 - Other Information

**Last Revision Date**

- 22/June/2015

**Preparation Date**

- 01/June/2004

**Disclaimer/Statement of Liability**

- The information herein is given in good faith but no warranty, expressed or implied, is made.

**Key to abbreviations**

NDA = No data available