



## Safety Data Sheet

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

#### 1.1 Product identifier

- Product Name** • ZITEX® Porous PTFE Products, FLUOROGLIDE® 200 Lubricant
- Synonyms** • Polytetrafluoroethylene; PTFE
- Product Code** • 5.0.0.23
- Product Description** • Translucent to white opaque film, tape, sheet, shapes, fine powder. One or two surfaces of film, tape or sheet may be chemically etched for bonding applications, giving a dark brown appearance to these surfaces.

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

- Relevant identified use(s)** • High temperature film/membrane laminates, chemical resistance applications, high purity fluid handling and filtration, filter membranes, gaskets, seals

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

- Manufacturer** • Saint-Gobain Performance Plastics Corporation  
150 Dey Road  
Wayne, NJ 07470  
United States
- WANJ.SDS@saint-gobain.com
- Telephone (General)** • 973-696-4700

#### 1.4 Emergency telephone number

- Manufacturer** • 800-424-9300 - Chemtrec
- Manufacturer** • +01-813-248-0585 - Worldwide

### 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**
- This material is exempt from CLP/REACH obligations as an article as specified in REACH (1907/2006) and related ECHA guidance.
- DSD/DPD**
- Under European Directive 67/548/EEC these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

## 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
- Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.

### 2.4 Other information

- As an article this material does not legally require an SDS.

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

| Composition             |               |       |
|-------------------------|---------------|-------|
| Chemical Name           | Identifiers   | %     |
| Polytetrafluoroethylene | CAS:9002-84-0 | > 99% |

### 3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

#### Skin

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

#### Eye

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

**Ingestion**

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

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

- Under normal conditions of use, no health effects are expected.

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

**Notes to Physician**

- No specific actions or treatments recommended related to exposure to this material.

**Section 5 - Firefighting Measures**

**5.1 Extinguishing media**

**Suitable Extinguishing Media** • Water fog, carbon dioxide, foam, dry chemical.

**Unsuitable Extinguishing Media** • No data available.

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

**Unusual Fire and Explosion Hazards** • Does not burn without external source of fuel. Fluoropolymers can increase the relative toxic properties of the gases evolved during a fire.

**Hazardous Combustion Products** • No data available

**5.3 Advice for firefighters**

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

**Section 6 - Accidental Release Measures**

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

**Personal Precautions** • No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

**Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

**6.2 Environmental precautions**

- Avoid release to the environment.

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

**Containment/Clean-up Measures** • Carefully shovel or sweep up spilled material and place in suitable container.

**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. Product is physiologically inert and non-toxic at normal temperatures. Above 250° C, some decomposition of PTFE products can be expected with evolution of gaseous and particulate products, which are toxic if inhaled. This can give rise to a characteristic syndrome known as "polymer fume fever". These symptoms subside within 24-48 hours away from further exposure with no long-term effects. Keep away from ignition sources- do not smoke while using Fluoropolymers.

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

**Storage**

- Store in a cool, dry place.

**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**

- This is a solid product in which all components are encapsulated presenting no volatile, dust, or exposure hazards.

**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**

- No respiratory protection is required under normal conditions and use.

**Eye/Face**

- No eye protection is ordinarily required under normal conditions of use.

**Skin/Body**

- No skin protection is ordinarily required under normal conditions of use.

**Environmental Exposure Controls**

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

**Section 9 - Physical and Chemical Properties**

**9.1 Information on Physical and Chemical Properties**

| <b>Material Description</b>         |  |                        |   |
|-------------------------------------|--|------------------------|---|
| Physical Form                       | Solid                                  | Appearance/Description | White translucent to opaque film, tape, tubing, rod, sheet, shape, fine powder or granules. |
| Color                               | White                                  | Odor                   | Data lacking  |
| Odor Threshold                      | Data lacking                           |                        |   |
| <b>General Properties</b>           |  |                        |   |
| Boiling Point                       | Data lacking                           | Melting Point          | 327 C(620.6 F)  |
| Decomposition Temperature           | Thermal degradation can begin at 250 C | pH                     | Not relevant  |
| Specific Gravity/Relative Density   | 2.13 to 2.2 Water=1                    | Water Solubility       | Negligible < 0.1 %  |
| Viscosity                           | Data lacking                           | Explosive Properties   | Data lacking  |
| Oxidizing Properties:               | Data lacking                           |                        |   |
| <b>Volatility</b>                   |  |                        |   |
| Vapor Pressure                      | Data lacking                           | Vapor Density          | Data lacking  |
| Evaporation Rate                    | Data lacking                           |                        |   |
| <b>Flammability</b>                 |  |                        |   |
| Flash Point                         | Does not flash                         | UEL                    | Not relevant  |
| LEL                                 | Not relevant                           | 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 Thermal degradation can begin at 250°C.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Avoid exposure to open flame or temperatures exceeding recommended processing temperatures.

### 10.5 Incompatible materials

- Reacts with molten alkali metals, inter-halogen compounds, Strong oxidizers and Sodium- Potassium Alloy. Will burn in atmosphere of 95% oxygen when an ignition source is present.

### 10.6 Hazardous decomposition products

- Thermal decomposition will evolve hydrofluoric acid, carbonyl fluoride, and other perfluoroolefins.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

| GHS Properties            | Classification  |
|---------------------------|---|
| Acute toxicity            | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| Aspiration Hazard         | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| Carcinogenicity           | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| Germ Cell Mutagenicity    | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| Skin corrosion/Irritation | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| Skin sensitization        | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| STOT-RE                   | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| STOT-SE                   | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |

|                                      |   |
|--------------------------------------|---|
| <b>Toxicity for Reproduction</b>     | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| <b>Respiratory sensitization</b>     | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |
| <b>Serious eye damage/Irritation</b> | EU/CLP • Not relevant<br>OSHA HCS 2012 • Not relevant |

## Potential Health Effects

### Inhalation

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

### Skin

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

### Eye

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

### Ingestion

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

## Section 12 - Ecological Information

### 12.1 Toxicity

- Material data lacking.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessments have not been carried out.

### 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       | Australia AICS | Canada DSL | Canada NDSL | China | EU EINECS |
| Polytetrafluoroethylene | 9002-84-0 | Yes            | Yes        | No          | Yes   | No        |

| Inventory (Con't.)      |           |           |            |            |             |                   |
|-------------------------|-----------|-----------|------------|------------|-------------|-------------------|
| Component               | CAS       | EU ELNICS | Japan ENCS | Korea KECL | New Zealand | Philippines PICCS |
| Polytetrafluoroethylene | 9002-84-0 | No        | Yes        | Yes        | Yes         | Yes               |

| Inventory (Con't.)      |           |                   |      |
|-------------------------|-----------|-------------------|------|
| Component               | CAS       | Switzerland SWISS | TSCA |
| Polytetrafluoroethylene | 9002-84-0 | No                | 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

#### Australia - Work Health and Safety Regulations - Threshold Quantity at Major Hazard Facilities (Table 15.1)

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Australia - Work Health and Safety Regulations - Threshold Quantity at Major Hazard Facilities (Table 15.2)**

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

**Australia - Western Australia - Hazardous Substances Prohibited for Specified Uses**

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

**Australia - Western Australia - Hazardous Substances Requiring Health Surveillance**

|                           |           |            |
|---------------------------|-----------|------------|
| • 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 |
|---------------------------|-----------|------------|

**Belgium**

**Labor**

**Belgium - Substances and Preparations - Carcinogens and Mutagens**

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

**Belgium - Substances and Preparations - Suspected Carcinogens and Mutagens**

|                           |           |            |
|---------------------------|-----------|------------|
| • 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 |
|---------------------------|-----------|------------|

**Canada British Columbia**

**Environment**

**Canada - British Columbia - Ozone Depleting Substances**

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

**Canada Manitoba**

**Environment**

**Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 1**

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

**Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 2**



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

## Canada Nova Scotia

|  |           |            |
|--|-----------|------------|
| <b>Environment</b>   |           |            |
| <b>Canada - Nova Scotia - Ozone Layer Protection Regulations</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |

## Canada Ontario

|   |           |            |
|---|-----------|------------|
| <b>Environment</b>  |           |            |
| <b>Canada - Ontario - Airborne Contaminant Reporting - Table 2A</b>                             |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Canada - Ontario - Airborne Contaminant Reporting - Table 2B</b>                             |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 1 Substances</b> |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 2 Substances</b> |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Halocarbons</b>        |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |

## Canada Yukon

|  |           |            |
|--|-----------|------------|
| <b>Environment</b>   |           |            |
| <b>Canada - Yukon - Ozone Depleting Substances and Other Halocarbons</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |

## China

|  |           |            |
|--|-----------|------------|
| <b>Other</b>   |           |            |
| <b>China - Annex I &amp; II - Controlled Chemicals Lists</b> |           |            |
| • Polytetrafluoroethylene                                    | 9002-84-0 | Not Listed |

## Denmark

|  |           |            |
|--|-----------|------------|
| <b>Environment</b>   |           |            |
| <b>Denmark - Advisory List for Self-Classification of Dangerous Substances</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Denmark - List of Undesirable Substances - Product Groups/Function</b>      |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>Denmark - List of Undesirable Substances - Reason for Selection</b>         |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |

## Europe

|   |           |            |
|---|-----------|------------|
| <b>Other</b>  |           |            |
| <b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification</b>       |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits</b> |           |            |

|  |           |                            |
|--|-----------|----------------------------|
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed                 |
| <b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling</b>   |           |                            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed                 |
| <b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations</b>                     |           |                            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed                 |
| <b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases</b>  |           |                            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed                 |
| <b>EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)</b>        |           |                            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed                 |
| <b>EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients</b>              |           |                            |
| • Polytetrafluoroethylene  | 9002-84-0 | Binding; Skin conditioning |
| <b>EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials</b> |           |                            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed                 |

## Germany

### Labor

#### Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TRGS 505 - Specific Lead Regulations

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Polytetrafluoroethylene 9002-84-0 Not Listed

### Environment

#### Germany - TA Luft - Types and Classes

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TA Luft - Emission Limits for Fibers

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TA Luft - Emission Limits for Inorganic Dusts

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TA Luft - Emission Limits for Inorganic Gases

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - TA Luft - Emission Limits for Organic Substances

• Polytetrafluoroethylene 9002-84-0 Not Listed

#### Germany - Water Classification (VwVwS) - Annex 1

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Germany - Water Classification (VwVwS) - Annex 3**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Greece**

**Labor**

**Greece - Substances Prohibited from Use in the Workplace**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Hong Kong**

**Labor**

**Hong Kong - Dangerous Substances Regulations - Classification**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**India**

**Environment**

**India - Hazardous Chemical Rules - List of Hazardous and Toxic Chemicals**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Indonesia**

**Environment**

**Indonesia - Hazardous Waste from Non-Specific Sources**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Indonesia - Hazardous Waste from Specific Sources**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Indonesia - Odour Level Standards**

• Polytetrafluoroethylene 9002-84-0 Not Listed

**Indonesia - Hazardous Waste from Overdue Chemicals**

• 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 |
|---------------------------|-----------|------------|

**Japan - ISHL Prevention of Organic Solvent Poisoning**

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

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

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

**Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances**

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

**Japan - Pollutant Release Transfer Register (PRTR) - Class 2 Substances**

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

**Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)**

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

**Malaysia****Labor****Malaysia - Control of Industrial Major Accident Hazards - Threshold Quantities**

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

**Malaysia - Occupational Safety & Health - Risk Phrases**

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

**Malaysia - Occupational Safety & Health - Safety Phrases**

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

**Malaysia - Occupational Safety & Health Conc. Cut-Offs for Corrosive Category**

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

**Malaysia - Occupational Safety & Health Conc. Cut-Offs for Harmful Category**

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

**Malaysia - Occupational Safety & Health Conc. Cut-Offs for Irritant Category**

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

**Malaysia - Occupational Safety & Health Conc. Cut-Offs for Toxic Category**

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

**Malaysia - Occupational Safety & Health Conc. Cut-Offs for Very Toxic Category**

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

**Malaysia - Occupational Safety and Health - Prohibition of Use of Substances**

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

**Environment****Malaysia - Chlorofluorocarbons (CFCs) Prohibition Order**

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

**Malaysia - Clean Air Regulations - Noxious and Offensive Substances**

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

**Malaysia - Scheduled Wastes**

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

**Malaysia - Scheduled Wastes of Potential Incompatibility**

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

**Malaysia - Environmental Quality (Industrial Effluent) Regulations - Fifth and Eighth Schedules**

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

**Malaysia - Environmental Quality (Industrial Effluent) Regulations - Ninth Schedule**

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

**Other****Malaysia - Pesticides Act - List of Active Ingredients**

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

**Malaysia - Psychotropic Substances - Psychotropics Requiring Export Authorization**

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

**Malaysia - Substances Requiring Medical Surveillance**

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

**Netherlands****Other****Netherlands - List of Carcinogens**

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

**Netherlands - Major Accidents - Qualifying Quantities for Accident Prevention**

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

**Netherlands - Major Accidents - Qualifying Quantities for Safety Reporting**

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

**Portugal****Other****Portugal - Prohibited Substances**

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

**Russia**

**Labor****Russia - Limiting Quantities of Hazardous Substances**

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

**Singapore****Labor****Singapore - Workplace Safety and Health (Medical Examinations) Regulations 2011**

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

**Environment****Singapore - Air Impurities Emission Limits**

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

**Singapore - Dioxins/Furans Toxic Equivalency Factors (TEF)**

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

**Singapore - Hazardous Substance Transport Quantities**

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

**Singapore - List of Hazardous Substances**

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

**Other****Singapore - Chemical Weapons - Schedule of Chemical Weapons**

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

**Singapore - Corrosive and Explosive Substances - Corrosive Substances**

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

**South Africa****Labor****South Africa - General Machinery Regulations - Notifiable Substances**

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

**United Kingdom****Environment****United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to Air**

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

**Other****United Kingdom - Major Accidents - International Toxic Equivalent Factors (ITEF)**

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

**United Kingdom - Major Accidents - Qualifying Quantities for Accident Prevention**

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

**United Kingdom - Major Accidents - Qualifying Quantities for Safety Reporting**

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

**United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review**

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

**United Kingdom - List of Dangerous Substances in Water**

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

## United States

|   |           |            |
|---|-----------|------------|
| <b>Labor</b>  |           |            |
| <b>U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals</b> |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |
| <b>U.S. - OSHA - Specifically Regulated Chemicals</b>                       |           |            |
| • Polytetrafluoroethylene   | 9002-84-0 | Not Listed |

|  |           |            |
|--|-----------|------------|
| <b>Environment</b>   |           |            |
| <b>U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants</b>                              |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities</b>               |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities</b>                      |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>               |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</b>                    |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>                                   |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>                                 |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CWA (Clean Water Act) - Hazardous Substances</b>                                     |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CWA (Clean Water Act) - Priority Pollutants</b>                                      |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances</b> |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - CWA (Clean Water Act) - Toxic Pollutants</b>   |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |

## United States - California

|  |           |            |
|--|-----------|------------|
| <b>Environment</b>   |           |            |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b>                     |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - California - Proposition 65 - Developmental Toxicity</b>               |           |            |
| • Polytetrafluoroethylene  | 9002-84-0 | Not Listed |
| <b>U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)</b> |           |            |
| • 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 |
|---------------------------|-----------|------------|

**15.2 Chemical Safety Assessment**

- No Chemical Safety Assessment has been carried out.

**Section 16 - Other Information****Last Revision Date**

- 15/October/2014

**Preparation Date**

- 15/October/2014

**Disclaimer/Statement of Liability**

- The information and recommendations set forth herein are taken from sources believed to be accurate as to the data hereof; however, Saint-Gobain Performance Plastics makes no warranty with respect to the accuracy of the information or the suitability of the recommendations and assures no liability to any user thereof.

**Key to abbreviations**

NDA = No Data Available