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TTA, TTB, TTC - 50, 75 & 100

# MATERIAL SAFETY DATA SHEET

(Product: P.T.F.E. Seal Tape)

| SECTION 1: MATERIAL IDENTIFICATION | |
|---|---|
| TRADE NAME AND SYNONYMS | P.T.F.E. Seal Tape |
| DESCRIPTIONS: Polytetrafluoroethylene Unsintered Tape | |

| SECTION 2: HAZARDOUS INGREDIENTS | | |
|---|---|---|
| INGREDIENT | % | HAZARD DATA |
| Polytetrafluoroethylene | 99 min. | * Thermal decompositon is not significant below 260°C.<br><br>Fluorine-containing thermal - oxidative degradation products are hazardous, but no TLV established. |

HAZARD DATA SOURCE:

* NIOSH (1977) "Decomposition Products of Fluorocarbon Polymers"

| SECTION 3: PHYSICAL DATA | | |
|---|---|---|
| STATE | SPECIFIC GRAVITY | APPEARANCE AND ODOR |
| Solid | 0.4 - 1.0 (Bulk Density) | White, No odor |

OTHERS:

None

| SECTION 4: FIRE AND EXPLOSION HAZARD DATA | |
|---|---|
| FLASH POINT (METHOD) | EXPLOSIVE RANGE |
| Non-flammable | Not applicable |

OTHERS

Complies with U.L 94V-0 under normal conditions.
Content of max. 1% of residual lubricant may create fire or explosive risk in some special cases. For application involving high concentrations of gaseous oxygen or liquid oxygen, the lubricant type and content in PTFE thread sealing tape is critical. In these cases it is essential that the user should refer to the oxygen supplier to determine if any fire or explosive risk exists.

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MATERIAL SAFETY DATA SHEET (CONTINUED)
(Product: P.T.F.E. Seal Tape)

**SECTION 5: HEALTH HAZARD DATA**

| T L V | SEE SECTION 2. |
|---|---|
| HAZARD INFORMATION | Unheated P.T.F.E. product is inert, and there are no known instances of health hazard from handling unheated P.T.F.E. product.<br>When heated at high temperatures, it will thermally degrade and decompose and produce toxic fumes.<br>Inhalation of such fumes will cause "Polymer Fume Fever", which has symptoms very similar to influenza and can include headache, cough, fever, chills, etc. |
| FIRST AID | Remove victim to fresh air and call a physician. |

**SECTION 6: REACTIVITY DATA**

It is a stable inert polymer product, resistant to nearly all chemicals and solvents, except molten alkali, certain halogen products, and fluorine (at high temperatures and pressures).

**SECTION 7: SPILL LEAK AND DISPOSAL PROCEDURES**

Disposal Procedure: Do not incinerate.
Obey local rules, laws, regulations, etc.

**SECTION 8: SPECIAL PROTECTION INFORMATION**

For normal use, protective gears, such as masks, respirators, etc. are not especially needed. When used at high temperatures, toxic fumes will be produced from thermal degradation and/or decomposition of P.T.F.E. and therefore, proper ventilation equipment shall be installed and used.

**SECTION 9: SPECIAL PRECAUTIONS**

P.T.F.E. products are non-flammable, but will thermally degrade and decompose, and therefore, do not store them together with flammable materials.
Obey up-to-date local rules, laws, regulations, etc.