

1. PRODUCT AND COMPANY IDENTIFICATION

✧ TRADE NAME : Thread Seal Tape

✧ **Company :** **Produits Plastiques Performants - 3P**
Zone Industrielle des Franchises BP 154
52201 LANGRES CEDEX
FRANCE

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✧ **Department :** Environment & Safety

Tel : + 33 3 25 87 23 24

Mail : hse@3pcorporate.com

✧ **Emergency phone number :** ORFILA (INRS) : + 33 (0)1 45 42 59 59 (24 / 24 & 7 / 7)

2. HAZARDS IDENTIFICATION

Indication of danger Not hazardous

Statements of hazard The product does not require a hazard warning label in accordance with EC

The main risk for human health is the inhalation of PTFE split products resulting from high temperature degradation. Avoid any contamination of products containing some tobacco.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identification	%	CAS N°	Classification according to regulation (CE) N°1272/2008 [CLP]
POLYTETRAFLUORETHYLENE (PTFE)	>99,5	9002-84-0	/
Residual lubricant	<0,5	-	/

4. FIRST AID MEASURES

- **Skin contact :** cool skin rapidly with cold water after contact with molten polymer. Immediate medical attention is required. Do not peel solidified product of the skin.
- **Eye contact :** immediately flush eyes with plenty of water. Call a physician if irritation persists.
- **Ingestion :** seek medical advice if symptoms occur.
- **Inhalation :** move to fresh air in case of accidental inhalation of vapors. Get medical attention immediately if symptoms occur.

5. FIRE FIGHTING MEASURES

There is no PTFE combustion hazard in an atmosphere with less than 95% of oxygene but the high-temperature decomposition (or the combustion) releases toxic and irritating gases.

- **Suitable extinguishing media**
Water, foam, dry powder
- **Special protective equipment for fire-fighters**
Wear self-contained breathing apparatus and protective suit.

- **Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases**

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Hydrofluoric acid (HF)

Fluorure de carbonyle (COF₂)

Tetrafluoroethylene (C₂F₄)

Hexafluoroethylene

Perfluoroisobutylene (C₄F₈)

Sulfure oxides

6. ACCIDENTAL RELEASE MEASURES

Collect the pieces to avoid any sliding hazards.

7. HANDLING & STORAGE

- **Advise on safe handling :**

Do not exceed the recommended temperature 260°C to avoid the release of toxic gases.

- **Advise on safe handling :**

Do not smoke & do not bring tobacco products near a fluoropolymer (risk of poison gases)

- **Other precautions :**

Do not clean the equipment by incineration (risk of poison gases).

8. EXPOSURE CONTROLS / PERSONNAL PROTECTION

No exposure limit established.

- **Ventilation :**

Provide appropriate exhaust ventilation at machinery and at places where The temperature can be higher than 260°C.

- **Respiratory protection :**

For temperatures over 260°C & without appropriate exhaust ventilation, use an approved overpressure breathing apparatus.

- **Hand protection :**

Wear oven gloves during the handling of hot polymer.

- **Eye protection** : None
- **Other protection equipment** : None

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance :	Tape
Colour :	Natural
Smell :	None
Melting point :	327 ± 4°C
Flammability :	UV0
Density :	0,5 to 1,8 g/cm ³ .
Water solubility :	insoluble.

10. STABILITY & REACTIVITY

- **Reactivity** : Stable under normal conditions
- **Conditions to avoid** : Flame, temperature above 260°C
- **Incompatible Materials** : elemental fluoride and molten alkaline metals, strong oxidizing agents, Halogens, aromatic solvents. Permeation occurs with helium, chloride and bromine.
- **Chemical Stability** : Thermal decomposition can take place above 300°C.

11. TOXICOLOGICAL INFORMATION

Toxicological data are not available.
When handled appropriately, even after long years of experience with this product, no adverse health effects are known

12. ECOLOGICAL INFORMATION

The product is insoluble in water.

According to experience, at room temperature the material has no harmful effect on the environment.

At temperatures above 260°C The decomposition of the product can release toxic fumes.

13. DISPOSAL CONSIDERATIONS

- Bury the waste in a dump in accordance with state and local regulations for hazardous waste. Avoid incineration.

14. TRANSPORT INFORMATION

- **ADR :** Not regulated
- **IATA_C :** Not restricted
- **IMDG :** Not regulated

15. REGULATORY INFORMATION

Observer la directive 98/24/CE concernant la protection de la santé et de la sécurité des travailleurs contre les risques liés à des agents chimiques sur le lieu de travail.

- **Labelling in accordance with EC directives**
The product does not require a hazard warning label in accordance with EC directives / the relevant national laws.

16. OTHER INFORMATION

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.

3P is not responsible for damage caused by the use of the product in the applications for which we did not intend it or in conditions of use out of his control.