

Page Number:	1/4
Revision N°	3
Revision date:	02.01.2017

MATERIAL SAFETY DATA SHEET

(According to Regulation EC N° 1907/2006 Art. 31)

1. SUBSTANCE IDENTIFICATION AND COMPANY INFORMATION

Product name: P.T.F.E. tape
 Product information: Unsintered Polytetrafluoroethylene (PTFE) tapes
 Products codes:

Use : Sealing Threaded Pipe Joints.

Manufacturer: WBV - Oelde
 Address: Am Ländhagen 50, D-59302 Oelde

Telephone: 0049(0)2522/79-0

Fax: 0049(0)2522/6989
 E-mail: info@wbv-worldwide.com

2. HAZARDS IDENTIFICATION

Nature of hazards Not regarded as a health or environmental hazard under current legislation. When thermally decomposed, inhalation of the fumes may cause fever, breathing difficulties, cough and shivering. Contamination of tobacco products with P.T.F.E. powder may cause effects similar to those above – known as Fume fever.

Risk Phrases None
 Safety Phrases None

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Composition</u>	<u>CAS N°</u>
Polytetrafluoroethylene (P.T.F.E.)	≥ 99,9 %	9002-84-0
Organic/Inorganic Additives	≤ 0,1 %	
Hazardous nature:	Non hazardous	
Hazard symbol:	None	

This product is considered non hazardous when used according to accepted practices for the intended use. See also chapter 16 "Other information".

Page Number:	2/4
Revision N°	3
Revision date:	02.01.2017

4. FIRST AID MEASURES

No first aid measures are needed in normal condition

Eye contact	N/A
Skin contact	N/A
Inhalation	In case of inhalation of decomposition products, remove patient to fresh air, loosening clothing and seek medical attention.
Ingestion	N/A

5. FIREFIGHTING MEASURES

Suitable extinguishing:	Use media suitable for surrounding fire.
Under fire conditions:	In case of fire, avoid inhalation of combustion gases.
Emission Hazards:	Combustion gases are formed: Carbon monoxide Hydrogen fluoride Carbonyl fluoride Tetrafluoroethylene Hexafluoropropylene Perfluoroisobutylene
Protective equipment	Self-contained breathing apparatus with full face-piece and protective clothing
Further information	Fluoropolymers can rise the relative toxicity of the combustion gases formed.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	N/A
Environmental precautions	N/A
In case of Spillage:	Sweep up to avoid slippage
Waste Disposal:	Conform to all applicable regulations.

7. HANDLING AND STORAGE

Bulk quantities of PTFE polymers should be stored away from flammable materials and in well-ventilated areas. However in most situations, whether in storage or use, the quantity of material involved is small, and so no special measures should be taken. Provide suitable exhaust ventilation at machines when processing at elevated temperatures.

Page Number:	3/4
Revision N°	3
Revision date:	02.01.2017

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No special protection by way of clothing or equipment is required to handle the product. However as in any industrial activity good hygiene and housekeeping practises should be applied. Provide temperature safety devices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, thin, flexible tape
Colour:	White
Odour:	None
Ph:	N/A
Viscosity:	N/A
Specific Gravity	0,20-1,0 g/cm ³
Melting Point:	330-345 °C
Boiling Point:	N/A
Solubility in H ₂ O:	Insoluble
Solubility (other)	Insoluble in all common solvents
Flash Point:	Does not flash
Auto Ignition Temp.:	575 °C approx.
Explosive properties:	N/A
Oxidising properties:	N/A
Relative density:	Approx. 0,20-1,6 (@ 20°C)

10. STABILITY AND REACTIVITY

Thermal decomposition:	> 260 °F continuous. Significant decomposition above 400°C
Hazardous reactions:	Essentially inert. Although the material reacts with alkali metals in fused or solution forms. Incompatible with elemental fluorine and interhalogen compounds at elevated temperatures and pressures (no reaction at room temperature and normal pressures).

11. TOXICOLOGICAL INFORMATION

General:	According to experience the product is considered to be harmless to health if handled in the correct manner.
Acute:	Flu like transient sickness
Chronic:	Could be fatal
Signs & Symptoms:	Flu like fever
Routes of Entry:	a) Inhalation – high dust concentrations may be an irritant to the upper respiratory tract. b) Eyes – mechanical irritation c) Skin – not irritating and not absorbing. May cause physical abrasion. d) Ingestion – inert when ingested by rats. Unlikely to be hazardous if swallowed.

Page Number:	4/4
Revision N°	3
Revision date:	02.01.2017

12. ECOLOGICAL INFORMATION

General: The product is insoluble in water, has very low volatility and has no harmful effect on the environment.

13. DISPOSAL CONSIDERATIONS

Method: Dispose of waste and residues in accordance with local authority requirements. May be buried on an authorised landfill site or incinerated above 800°C using a scrubber to remove hydrogen fluoride.

14. TRANSPORT INFORMATION

Transport in accordance with CDG-CPL/ADR for road, RID for rail, IMDG for sea and ICAO-IATA for air.

Not classified as hazardous for carriage under the above regulations.

UN-N°:	Not applicable	Proper shipping name:	----
IMDG Class:	-----	Packaging group:	-----
EmS:	-----	MFAG:	-----
Subsidiary risk:	-----	Marine pollutant:	-----
ADR/RID Class	-----	ADR/RID Item:	----
ICAO-IATA Class:	-----	Label name:	----

15. REGULATORY INFORMATION

According to Directives 67/548/EEC and 1999/45/EC (Hazard Information and Packaging for Supply) :

Not applicable
Risk phrases: Not classified
Safety phrases: Not classified
CLP Not Regulated

16. OTHER INFORMATION

This material is compliant with REACH Regulation 1907/2006, RoHS Directive 2011/65/EU and none of the substances referenced in SHVC-List of ECHA (Candidate List) up to date, are components of these tapes.

It is not classified under European Union CLP requirements.

The information herein is based on data considered to be accurate as of the date of preparation of the Material Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The use assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.