

Material Safety data sheet - PTFE TAPE

1.1. Product identifier

Product name : PTFE Tape

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only - Use of the substance/mixture : The tape is intended as an antiseize and sealant of pipe threads of liquid and gaseous oxygen systems of 2,000 psi or less.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

• 1.3 Details of the supplier of the safety data sheet Supplier:

Oxford Instruments NanoAnalysis

Halifax Rd, High Wycombe HP12 3SE

United Kingdom

Tel: +44 (0) 1494 442255

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances:

SDS EU > 2015: According to Regulation (EU)

2015/830, 2020/878 (REACH Annex II)

Not classified - Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Labeling according to Directive 67/548/EEC or 1999/45/EC

2.3. Other hazards - Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances Not applicable

3.2. Mixtures - This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex I

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: First aid measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters - Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : At temperatures above 700F/371C, may produce decomposition products containing carbon monoxide, carbon dioxide, hydrogen.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Other information : Exposure to fire/heat: keep upwind.

6.4. Reference to other sections - See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : children. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

7.3. Specific end use(s) No additional information available

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Appropriate engineering controls: General industrial hygiene practice. Ensure good ventilation of the work station.

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses

Respiratory protection: Use of a NIOSH approved organic vapor respirator when the product is being used in high temperature applications. Other information: Do not eat, drink or smoke during use.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid Appearance : Tape. Color : white. Odor : odorless. Odor threshold : No data available

pH : No data available Relative evaporation rate (butyl acetate=1) : No data available

Melting point : 642F Freezing point : -341 °C Boiling point : No data available

Flash point : No data available Auto-ignition temperature : No data available

Decomposition temperature : 371 °C Flammability : Non flammable.

Vapor pressure : No data available Relative vapor density at 20°C : No data available

Relative density : 2.2 (H₂O=1) Solubility : insoluble in water.

Partition coefficient n-octanol/water (Log Pow) : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosion limits : No data available

SECTION 10: Stability and reactivity

10.1. Reactivity Relatively inert, as long as it is used at temperatures not exceeding 550F.

10.2. Chemical stability 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid - Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials p Strong acids. Strong bases. Relatively inert, as long as it is used at temperatures not exceeding 550F. 10.6. Hazardous decomposition products Carbon monoxide. Carbon dioxide. Hydrogen fluoride. Toxic organo-fluorine compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity - Hazardous to the aquatic environment, short- term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

12.2. Persistence and degradability

PTFE Tape Persistence and degradability Not established.

12.3. Bioaccumulative potential

PTFE Tape Bioaccumulative potential Not established.

12.4. Mobility in soil No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number

UN-No. (ADR) : Not Evaluated

UN-No. (IMDG) : Not Evaluated

UN-No. (IATA) : Not Evaluated

UN-No. (ADN) : Not Evaluated

UN-No. (RID) : Not Evaluated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not Evaluated

Proper Shipping Name (IMDG) : Not Evaluated

Proper Shipping Name (IATA) : Not Evaluated

Proper Shipping Name (ADN) : Not Evaluated

Proper Shipping Name (RID) : Not Evaluated

14.3. Transport hazard class(es)

ADR Transport hazard class(es) (ADR) : Not applicable

SECTION 14: Continued....

Transport hazard class(es) (IMDG) : Not applicable

IATA -Transport hazard class(es) (IATA) : Not applicable

ADN - Transport hazard class(es) (ADN) : Not applicable

RID - Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards - Dangerous for the environment : No

Marine pollutant : No Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport: Not applicable

- Transport by sea: Not applicable

- Air transport: Not applicable

- Inland waterway transport: Not applicable

- Rail transport: Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH candidate substance

15.1.2. National regulations: Germany

Regulatory reference : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwsV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding: None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid: None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling: : None of the components are listed

15.2. Chemical safety assessment: No chemical safety assessment has been carried out

Other information : None.