

GLU5 PTFE Thread Sealing Tape

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Product name: PTFE thread sealing tape

Product No.: GLU5

PTFE thread sealing tapes belong to the category of the products for the fluid seal on flanges and threads. The production of these articles occurs for warm stretching, in conditions of partial sinterization, of estruses of polytetrafluoroethylene virgin row polymer (PTFE).

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

1.3. Details of the supplier of the safety data sheet:

Nina Works,
Gelderd Road,
Leeds
LS12 6NA
Tel: +44 (0) 113 213 4300

1.4. Emergency telephone number:

+44 (0) 113 213 4300

2. Hazards identification

2.1. Adverse Effects and Main Risks

The water dispersed product is an inert polymer and no risk is expected for human health and the environment in its normal use.

Some risks may be expected at temperature -350°C for emission of noxious compounds (HF and COF₂) which are extremely corrosive and can cause severe burns that are not immediately visible

The products of thermal decomposition are very dangerous in case of contact with eyes and skin or when inhaled; in this last case the symptoms do not occur until several hours after exposure.

Eye Contact: redness, irritation, burns

Skin Contact: redness, irritation, burns

Inhalation: Headache, short breathing, coughing, chills and fever (polymer fume fever), tachycardia

3. Composition/information on ingredients

Chemical Characteristics:

Tapes of various thickness in PTFE polymer 100% partially polymerized

4. First-aid measures

4.1. Description of first aid measures:

Eye: flush immediately and continuously with plenty of water for at least 15 minutes or until medical treatment is received. Seek medical advice.

Skin: N/A

Inhalation: In case of inhalation, of vapours from thermal decomposition speed of medical assistance is extremely important

Ingestion: N/A

5. Fire-fighting measures

5.1. Extinguishing media:

Water, spray, water-fog, water-stream, CO₂, dry chemical foam, earth or sand.

5.2. Special hazards arising from the substance or mixture:

Possible risks are due to corrosive and toxic effects of by-products from the thermal decomposition (HF COF₂)

5.3. Advice for firefighters:

Remove the product from the source of flame, if possible to do so in safe conditions. Keep containers cool by spraying with water when exposed to fire. Stay opposite the wind and at a safe distance from the flames. Wear self-contained breathing apparatus and skin protection to protect from HF vapours.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

The release of this product in working conditions is not dangerous for working people. Try to stop as soon as possible in safe conditions.

6.2. Environmental precautions:

Avoid the uncontrollable release of the product in sewage system, in surface and underground water and in the soil.

6.3. Methods and material for containment and cleaning up:

Sweep and scoop out the released material. Dispose of in accordance with local laws and regulations.

7. Handling and storage

7.1. Precautions for safe handling:

Avoid processing above the decomposing temperature (350°C) without adequate venting. Do not drink, eat or smoke during handling.

7.2. Conditions for safe storage:

Keep containers closed and keep away from heat, sparks and flames. Do not store near combustible, explosive and incompatible materials. Store in plastic containers.

8. Exposure controls/personal protection

8.1. Exposure controls:

Only the limit threshold values (ACGIH+IH 1993/94) of the decomposition products are applicable.

Hydrofluoric acid (HF) TLV/TWA= 2.6mg/m³

Carbonilfluoride (COF₂): TLV/TWA= 5.4mg/m³

Precaution Measures:

Vent vapours from high-temperature processing.

Do not breathe vapours from thermal decomposition

Personal Protective Clothing:

Clothing to be worn in case of fire or thermal decomposition:

Respiratory Protection: safety goggles

Hand Protection: rubber gloves

Body Protection: work suit or rubber apron

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance: Solid

Colour: White

Odour: Odourless

Solubility: Not soluble

Relative density: (H₂O=1) from 2.14 to 2.18g/cm³ at 23°C

Melting Point: 327-335°C

Flammability: Not flammable

Explosively: Not explosive

10. Stability and reactivity

10.1. Stability:

Stable in normal conditions of use:

Negligible decomposition starts above 250°C at temperatures above 350°C starts the emission of noxious compounds (HF and COF₂)

10.2. Conditions:

Flames and high temperatures

10.3. Materials to Avoid:

The chemical reactivity is very low. Avoid contact with combustible materials and molten alkali metals

10.4. Decomposition Hazards:

The gaseous compounds generated by thermal decomposition of the products (HF and COF₂) are very toxic and corrosive.

11. Toxicological information

11.1. Information on toxicological effects:

Eye: N/A

Skin: decomposition of product may cause burns

Inhalation: Do not inhale decomposition vapours

Ingestion: Do not ingest

12. Ecological information

12.1. Ecological Precautions:

Use the product according to the instructions, avoiding polluting the environment.

12.2. Water Pollution:

Officially not classified, internal self-classification: generally not water endangering.

13. Disposal considerations

13.1. Waste treatment methods:

Dispose of in landfill according to local laws and regulations or destroy using high temperature incinerator designed to burn fluorine compounds.

14. Transport information

14.1. UN number: Not assigned

14.2. UN proper shipping name: Not assigned

14.3. Transport hazard class: Not assigned

14.4. Packing group: Not assigned

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4)
Regulation (EC) No 1272/2008 (CLP Regulation)
REACH Regulations 2006

16. Other information

General information:

This product should be used as directed. For further information consult the product data sheet or contact Van-Line Ltd.

Information Sources:

This safety data sheet was compiled using current information supplied by the manufacturer.
