



Safety Data Sheet (SDS) – Regulation (EC) No 1907/2006 (REACH)

Product: Hydrophobic PTFE Membrane

Issue Date: January 1, 2026

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

Name of product: Hydrophobic PTFE Membrane

Company: TPP Techno Plastic Products AG
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2. Composition / information on ingredients

Chemical name: Hydrophobic PTFE Membrane

This product is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP) and Regulation (EC) No 1907/2006 (REACH).

3. Hazard identification

Not classified as hazardous under Regulation (EC) No 1272/2008 (CLP).

4. First-aid measures

Route of exposure:

Inhalation: Not anticipated under recommended usage conditions. After inhaling decomposition products, remove the affected person to a source of fresh air and keep calm. Provide medical aid.

Skin contact: Not anticipated under recommended usage conditions.

Eye contact: Not anticipated under recommended usage conditions.

Note to physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media: Water, dry extinguishing media, foam.

Specific hazards: Thermal decomposition may produce carbon dioxide, carbon monoxide, hydrogen fluoride, and carbonyl fluoride. Use appropriate respiratory protection. Fluoropolymer combustion may increase the toxicity of emitted gases.

Special protective equipment: For firefighters: wear suitable breathing equipment, in case of risk of exposure to vapor or fumes.

Unusual hazards: Combustion may increase the toxicity of emitted gases; use appropriate respiratory protection.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.



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6. Accidental release measures

No special measures are required if the filters are in an unused condition. Dispose waste in accordance with local or national regulations.

7. Handling and storage

Normal handling: Product is physiologically inert and non-toxic at normal temperatures. Avoid prolonged exposure to temperatures above 250 °C.

Storage Recommendations No special requirements, protect against moisture.

8. Exposure controls and personal protection

Ventilation: Not required if material is used within specified usage parameters.

Fire and explosion Not applicable

Personal protective equipment: None required if material is used within specified usage parameters. Normal safety equipment should always be used in an industrial environment.

Additional recommendations: Wear heat-resistant clothing and skin covering when working with hot products. Do not smoke while handling material. Keep tobacco products away from sources of contamination: hands and clothes.

Engineering controls: Provide local exhaust to control large quantities of dust. All heated processing equipment must be vented safely to prevent the inhalation of thermal decomposition products.

Other exposure: Occupational exposure limits for decomposition products such as hydrogen fluoride may apply. No exposure limits are established for the polymer itself.

9. Physical and chemical properties

Form: Solid

Color: White

Odor: Odorless

Melting temperature: 320 °C

Ignition temperature: Not applicable / material does not ignite under normal conditions.

10. Stability and reactivity

Chemical stability: Stable under normal conditions. Thermal degradation may begin at temperatures above 250 °C.

Incompatibilities / reacts: Can be dissolved in chloroform, acetone.

Hazardous decomposition products: Hydrogen fluoride, carbonyl fluoride, perfluoro isobutylene (trace), carbon monoxide, carbon dioxide.

Hazardous polymerization: Will not occur.

11. Toxicological information

General: No potential health hazards when used within processing guidelines.

Toxicity of product: Non-toxic when used within recommended guidelines.



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Other data: None

12. Ecological information

The product is not considered dangerous for the environment.

Biodegradation: This substance is slowly biodegradable.

Bioaccumulation potential: Potential bioaccumulation of the product in environment is very low.

13. Disposal considerations

Waste of disposal must be according to local regulations. Do not discharge the product into the environment.

14. Transport information

Not restricted for transport (ADR/RID, IMDG or ICAO/ATA)

15. Regulatory information

This product is not subject to REACH registration or other EU chemical regulations as a hazardous substance / mixture.

16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. To the best of our knowledge, the information contained herein is accurate. However, neither TPP nor any other supplier of TPP products assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that this is the entire list of possible endangering that might arise. During product improvement, TPP reserves the right to change the raw material without further notice.

17. Disclaimer

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