Safety data sheet

PVDF Membrane, 30 cm x 3 m Roll

Product name PVDF Membrane, 30 cm x 3 m Roll	Catalog no. PVDF022, PVDF045
Synonyms Polyvinylidene fluoride membrane	Revision date -
CAS no. 24937-79-9	Document version / date 1.0 / 26 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	PVDF Membrane, 30 cm x 3 m Roll
Product code	PVDF022, PVDF045
CAS number	24937-79-9
EC number	-
Recommended use	For research use only. Not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
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Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not considered hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200). CLP classification not stated.
Label elements	No GHS hazard pictogram or signal word assigned in the product classification.
Symbols / pictograms	None
Signal word	None
Hazard statements	None assigned to the finished product in the classification.
Precautionary statements - Prevention	Wash hands thoroughly after handling; wear suitable gloves and eye protection.
Precautionary statements - Response	If exposed or concerned: rinse exposed area and seek medical advice if symptoms persist.
Other hazards	Thermal decomposition above 315 °C may release irritating smoke and highly toxic fluoride-containing gases. Avoid dust generation.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	PVDF Membrane, 30 cm x 3 m Roll
Synonyms	Polyvinylidene fluoride membrane
Concentration	98-100% PVDF
Formula	(C2H2F2)n
Molecular weight	-
Substance information	Polyvinylidene fluoride [ethene, 1,1-difluoro-, homopolymer] (CAS 24937-79-9): 98-100% by weight.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if easy to do.
Skin contact	Rinse affected skin with water.
Inhalation	Exposure to intact membrane is not expected to pose an inhalation hazard. If exposed to dust or fumes, move to fresh air and obtain medical attention.
Ingestion	Not expected to present a significant ingestion hazard during normal use; seek medical advice if unwell.
Self-protection of first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	No critical effects known under normal use; thermal decomposition fumes can be hazardous.
Immediate medical attention / treatment	Treat symptomatically; obtain medical advice if symptoms persist.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use media appropriate for the surrounding fire.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	Above 315 °C, thermal decomposition may produce toxic fluoride-containing gases, carbon monoxide and other halogenated compounds.
Explosion data	Suspended plastic dust may be combustible or explosive.
Advice for firefighters	Wear self-contained breathing apparatus and full protective gear. Avoid inhaling decomposition fumes.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment. Avoid dust and unprotected handling.
Environmental precautions	Avoid release into soil, drains and waterways.
Methods and materials for containment and cleaning up	Collect intact sheets. Sweep or vacuum fragments into labelled waste containers, avoiding dispersal of dust.
Reference to other sections	Refer to Section 8 for protective equipment and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Handle as a solid membrane; avoid grinding, dust formation and exposure to flames or excessive heat.
Conditions for safe storage	Store at 20-25 °C in the original container, dry, well ventilated and protected from direct sunlight.
Container labeling	Keep in correctly labelled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No product-specific occupational exposure limit values have been identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, particularly in confined areas.
Hygiene measures	Wash hands after handling. Do not eat, drink or smoke during use.
Eye / face protection	Wear laboratory safety glasses with side shields.
Hand protection	Wear protective gloves.
Skin and body protection	Wear a laboratory coat or suitable protective clothing.
Respiratory protection	Not normally required when handling intact membranes; appropriate respiratory protection is needed if dust or heated fumes occur.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid (porous membrane)
Odor	Odorless
Odor threshold	No data available
pH	No data available
Melting point / freezing point	Melting point: 230 °C (reported)
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Can be slightly flammable near open flames, sparks or static discharge.
Upper / lower flammability or explosive limits	No data available
Vapor pressure	2 kPa (15 mm Hg), reported for the material
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	370 °C (reported)
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable in a cool, dry place.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Open flames, high temperatures and generation of airborne dust.
Incompatible materials	No data available.
Hazardous decomposition products	Carbon oxides and potentially toxic fluoride-containing gases on heating.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion / irritation	No data available.
Serious eye damage / eye irritation	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT - SE	Data insufficient for classification.
STOT - RE	Data insufficient for classification.
Aspiration hazard	Data insufficient for classification.

11.2 Potential health effects

No significant effects reported for intact membrane under normal use. Avoid inhalation of dust and thermal decomposition fumes.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No assessment available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of product through a licensed waste disposal service in accordance with applicable regulations.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR / RID	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

Special precautions for user	Not regulated as dangerous goods for transport. Use appropriate packaging.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	REACH and CLP provisions apply as relevant. Product-specific authorisations or restrictions are not identified.
Environmental hazards	See Section 12 for product-specific ecological information.
Chemical Safety Assessment	No chemical safety assessment is reported for the product.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail