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**FOR CHEMICAL EMERGENCIES
24-Hour Emergency Telephone Number:
CHEMTREC (800) 424 - 9300**

1. PRODUCT IDENTIFICATION

Product Name: FLUORODYNE MEMBRANE
Synonyms: Polyvinylidene fluoride (PVDF) membrane
Part Number: NY0145
Chemical & Common Name: BSP0781

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Weight Percent
Polyvinylidene fluoride	24937-79-9	>98

3. HAZARDS IDENTIFICATION

No adverse health effects expected from exposure to this product. This membrane is an “article” as defined by OSHA in 29 CFR 1910.1200 (c) (i). It is a thin, white porous solid sheet.



Potential Health Effects

Inhalation:	No adverse health effects expected from inhalation.
Ingestion:	Although unlikely to occur, ingestion may cause digestive tract irritation.
Skin Contact:	Repeated or prolonged contact may cause dry or irritated skin.
Eye Contact:	Although unlikely to occur, eye contact may cause irritation.
Chronic Exposure	Not determined
Aggravation of Pre-Existing Conditions	Not determined

4. FIRST AID MEASURES

Inhalation:	Inhalation is not considered a likely route of exposure. Remove to fresh air.
Ingestion:	This material is not intended for ingestion and is not expected to present an ingestion hazard in the form and quantities present in a workplace setting. However, if ingestion occurs, seek medical attention.
Skin Contact:	Wash exposed area with soap and water. If irritation persists, seek medical attention.
Eye Contact:	Eye injury could result from physical impact. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Fire: No fire hazard is present under normal conditions of use.

Explosion: Not applicable

Flash Point: Not applicable

Flammable Limits: Not applicable

Autoigniton Temperature: Not applicable

Fire Hazards:: Thermal decomposition may produce an irritating mixture of smoke and highly toxic gases. Fluoride emissions may be significant. Fire fighters should wear full protective gear including self-contained breathing apparatus with full faceplate and full protective clothing.

Extinguishing Media: Water, foam or dry chemical sprays.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Sweep and place in container for disposal.



7. HANDLING AND STORAGE

Store in a cool, low humidity, clean environment. Handle with care to avoid damage or abrading.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

- OSHA Permissible Exposure Limits (PEL's): total dust 15 mg/m3
- ACGIH Threshold Limit Values (TLV's): total dust 10 mg/m3

Ventilation: Processing which heats the material will require local exhaust ventilation to keep the concentration of decomposition products below applicable exposure limits

Personal Respirators (NIOSH Approved): None required in ordinary use.

Skin Protection: Gloves are recommended to prevent skin contact and protect product cleanliness.

Eye Protection: Safety glasses with side-shields are recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White, thin, porous solid
Odor:	None
Solubility:	Not soluble in water
Specific Gravity:	1.7 – 1.8 grams/cc.
pH:	Not Applicable (N/A)
Volatiles (wt.%):	Negligible
Boiling Point:	N/A
Melting Point:	166 – 170°C
Vapor Density:	N/A
Vapor Pressure:	N/A
Evaporation Rate:	N/A

10. STABILITY AND REACTIVITY

Stability: Stable at normal temperatures and pressure.

Hazardous Products of Combustion: Toxic and irritating fumes and gases including hydrogen fluoride.

Hazardous Polymerization: Will not occur



Incompatibilities: Strong Oxidizing Agents and Flames.

Conditions to Avoid: Elevated temperatures above 315° C release toxic fumes. At temperatures above 370° C, hydrogen fluoride evolution becomes rapid.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Exposure to thermal decomposition products can cause serious hydrogen fluoride burns and corrosion.

Carcinogenic Listing: Not applicable. Polyvinylidene fluoride polymers are not listed as carcinogenic by NTP, IARC, OSHA, NIOSH or ACGIH.

12. ECOLOGICAL INFORMATION

Polyvinylidene fluoride polymer membrane is not expected to readily degrade in contact with water or the soil.

13. DISPOSAL CONSIDERATIONS

If the product contains fluid or residue from use, you must determine if its meets the definition of a hazardous waste under RCRA, 40 CFR Part 261 and dispose according to Federal, State and local hazardous waste regulations. If the filter is unused, it is not considered a hazardous waste under RCRA, 40 CFR Part 261. It can be disposed of or recycled in accordance with Federal, State and local solid waste regulations.

14. TRANSPORT INFORMATION

Shipping Description: Not regulated as a hazardous material or dangerous good by USDOT, ICAO/IATA, ADR or IMO regulations

Packing Group: n/a

Hazard Class: n/a

Placard: n/a

Quantity Limitations: n/a

Small Quantity Exemptions: n/a

15. REGULATORY INFORMATION

Component	TSCA	CERCLA	SARA 313	SARA 302 RQ	SARA 302 TPQ
Polyvinylidene fluoride	Listed	N/A	N/A	N/A	N/A



16. OTHER INFORMATION

NFPA Ratings	
Health	0
Flammability	0
Reactivity	0

Label Hazard Warning: None

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