



UltraScience PVDF Membrane Sandwiches

Identification of the preparation / Substance and of the company

Product Name: UltraScience PVDF Membrane Sandwiches

Catalog Number: MMP01-S020(N)/MMP02-S020(N)

Use of the product: For laboratory use.

Company identification: BIO-HELIX Co., LTD.

Site: <http://www.bio-helix.com>

E-mail: info@bio-helix.com

Composition / Information on ingredients

Component	CAS No.
Polyvinylidene fluoride (PVDF)	24937-79-9

First Aid Measures

Ingestion: These devices are unlikely to be harmful if swallowed. If needed, seek medical advice.

Eyes: Due to their size and solid construction, these devices are not anticipated to cause eye injuries.

Inhalation: These devices do not pose an inhalation risk due to the non-volatile nature of their polymeric materials.

Skin: These devices are unlikely to be harmful upon skin contact, but it is recommended to wash the skin afterward.

Fire-fighting measures

Suitable extinguishing media: Water, Foam, Dry Chemicals, CO₂

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear full protective equipment.

Wear neoprene gloves when handling refuse from fire.

Accidental release measures

Spills and Leaks: Due to their sealed design, these devices do not release materials into the environment when operated within the recommended temperature and pressure conditions.

Handling and storage

Exposure controls / personal protection

Store in a cool, dry place, away from direct sunlight, heat sources, and incompatible chemicals. engineering measures: none

Personal protective equipment

Respiratory protection: Not required, except in case of aerosol formation.

Respiratory protection: When using, do not eat, drink or smoke.





Physical and chemical properties

Component	Physical State	Density	Odor	Water Solubility	Melting Point
PVDF	white membrane	1.76	None	Insoluble	129.3°C

Stability and reactivity

Chemical Stability: Stable at normal temperature and pressure conditions.

Incompatible with: PES: Acetone, Chloroform, Strong acid, Toluene, Methylene Chloride, Cyclohexanone, Ester, Amine, Pyridine

PVDF: Strong alkaline, Ester, Ketone

Decomposition/Combustion Products: The specific decomposition and combustion products formed when these polymers are heated will vary based on factors like temperature, oxygen and water vapor levels, and the presence of other substances. Possible products include, but are not limited to, the following:

PVDF: toxic and irritating fumes and gases, including hydrogen fluoride and carbon oxides.

Toxicological information

Carcinogenicity: No components are listed as carcinogenic by IARC.

Endocrine Disruptors: To the best of our knowledge, none of the components are suspected endocrine disruptors.

Disposal considerations

Product: In accordance with local and national regulations.

Transport information

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-code, ICAO/IATA-DGR.

Regulatory information

This safety datasheet meets the standards set by national regulations.

Other information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Bio-Helix Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.