

**MATERIAL SAFETY
DATA SHEET**

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DIVISION: FILTRATION PRODUCTS

TRADE NAME:

MemBrain™ EXTRACTION PRODUCTS WITH STRONG
CATION EXCHANGE(SCX) POLYMERIC SORBENT

NUMBER/U.P.C.:

11-0011-8786-0 70-2019-1006-4 70-2019-1007-6 70-2019-1008-8
70-2019-2006-1 98-0405-0082-2 98-0405-0087-5 98-0604-0505-7
98-0604-0506-5 98-0604-0507-3 98-0604-0508-1 98-0604-0512-3
98-0604-0231-4 98-0604-0232-2

ISSUED: August 23, 2021

1. INGREDIENT	C.A.S. NO.	PERCENT	
DIVINYLBENZENE-STYRENESULFONIC ACID COPOLYMER.....	39389-20-3	85.0	- 95.0
POLYTETRAFLUOROETHYLENE.....	9002-84-0	5.0	- 15.0

2. PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 0.9 Water=1
PERCENT VOLATILE: N/A
pH: N/D
slightly acidic when wet
VISCOSITY: N/A
MELTING POINT: N/A

APPEARANCE AND ODOR:

Non-woven material, white

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS - LEL: N/A
FLAMMABLE LIMITS - UEL: N/A
AUTOIGNITION TEMPERATURE: ca. 500 °C

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Non-combustible. Choose material suitable for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

See Hazardous Decomposition section for products of combustion.

Combustion generates toxic fumes of the following: carbon monoxide, carbon dioxides, nitrogen oxides, hydrogen chloride, hydrogen fluoride

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Unstable

Avoid temperatures above 120 C.

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of Nitrogen, Hydrogen Chloride, carbon monoxide, carbon dioxides, hydrogen fluoride

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Not applicable.

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5. ENVIRONMENTAL INFORMATION (continued)

RECOMMENDED DISPOSAL:

Dispose of waste product in a sanitary landfill.

ENVIRONMENTAL DATA:

Not applicable.

REGULATORY INFORMATION:

Volatile Organic Compounds: none.

VOC Less H2O & Exempt Solvents: none.

Not applicable

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Not applicable.

IF SWALLOWED:

Drink three to four glasses of water.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Wear vented goggles.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material.

RECOMMENDED VENTILATION:

Use in a well-ventilated area.

7. PRECAUTIONARY INFORMATION (continued)

RESPIRATORY PROTECTION:

Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:

Not applicable.

RECOMMENDED STORAGE:

Store at temperatures below 120 °F (49 °C). Store at temperatures above 32 °F (0 °C). Keep container dry.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
DIVINYLBENZENE-STYRENESULFONIC ACID					
COPOLYMER.....	NONE	NONE	NONE	NONE	
POLYTETRAFLUOROETHYLENE.....	10	mg/m ³	TWA	CMRG	
		AS TOTAL DUST			
POLYTETRAFLUOROETHYLENE.....	5	mg/m ³	TWA	CMRG	
		AS RESPIRABLE DUST			

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

8. HEALTH HAZARD DATA (continued)

SKIN CONTACT:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

Mechanical skin irritation: signs/symptoms can include itching and redness.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

No adverse health effects are expected from swallowing.

OTHER HEALTH HAZARD INFORMATION:

This product, when used under reasonable conditions or in accordance with the directions for use, should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

SECTION CHANGE DATES

PRECAUTIONARY INFO.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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