

MATERIAL SAFETY DATA SHEET MAC-MOD Analytical Chadds Ford, PA 19317 1-800-441-7508

Copyright, 2021, MAC-MOD Analytical. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing MAC-MOD Analytical products is allowed provided that:

- the information is copied in full with no changes unless prior agreement is obtained from MAC-MOD Analytical, and
- 2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

DIVISION: FILTRATION PRODUCTS

TRADE NAME:

MemBrain™ CHELATING RESIN EXTRACTION DISKS

NUMBER/U.P.C.:

98-0604-0243-9 98-0604-0238-9 98-0604-0701-6 98-0604-0702-4 98-0604-0703-2

ISSUED: September 6, 2022

1. INGREDIENT	C.A.S. NO.	PERCENT
POLYSTYRENE-DIVINYLBENZENE WITH		
IMINODIACETIC ACID GROUP	142-73-4	85.0 - 95.0
POLYTETRAFLUOROETHYLENE	9002-84-0	5.0 - 15.0
2. PHYSICAL DATA		
BOILING POINT:		

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



MSDS: MemBrain™ CHELATING RESIN EXTRACTION DISKS August 23, 2021	PAGE 2
3. FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT:	
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 coatand 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: nitrogen oxides, hydrogen fluoride	
NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0 UNUSUAL REACTION HAZARD: none	
4. REACTIVITY DATA	
STABILITY: Stable under recommended storage conditions. Avoid temperatures above 120 °C.	
INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID: Oxidizing agents such as HNO ₃ at strong concentrations (i.e. >10M).	
HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.	
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Nitrogen. Carbon monoxide, carbon dioxide	
5. ENVIRONMENTAL INFORMATION	
SPILL RESPONSE: Not applicable.	
Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately	



MSDS: MemBrain™ CHELATING RESIN EXTRACTION DISKS August 23, 2021	PAGE 3
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 H ₂ O & 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 immediatemedical attention.	
SKIN CONTACT: Flush skin with large amounts of water. If irritation persists, getmedical attention.	
INHALATION: Not applicable.	
IF SWALLOWED: Drink three to four glasses of water.	
7. PRECAUTIONARY INFORMATION	
EYE PROTECTION: Wear eye protection tested and approved under appropriate government standards such 166 (EU).	n as (NIOSH) (US) or EN
SKIN PROTECTION: Avoid skin contact. Wear appropriate gloves when handling this material.	
RECOMMENDED VENTILATION: Use in a well-ventilated area.	
Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately	



MSDS: MemBrain™ CHELATING RESIN EXTRACTION August 23, 2021	ON DISKS				PAGE 4
7. PRECAUTIONARY INFORMATION (contin					
RESPIRATORY PROTECTION: Not applicable.					
PREVENTION OF ACCIDENTAL INGESTION: Not applicable.					
RECOMMENDED STORAGE: Store at temperatures below 120 °F (49 °C). Store a container dry.	attempera	tures above 32	! °F (0 °C).	. Keep	
FIRE AND EXPLOSION AVOIDANCE: Not applicable.					
EXPOSUR	E LIMITS				
INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
POLYSTYRENEDIVINYLBENZE WITH IMINODIACETIC ACID GROUP	NONE	NONE	NONE	NONE	
POLYTETRAFLUOROETHYLENE	10 AS TO	mg/m³ DTAL DUST mg/m³	TWA	CMRG	
POLYTETRAFLUOROETHYLENE	-	mg/m ³ ESPIRABLE D		CMRG	
* SKIN NOTATION: Listed substances indicated with "the overall exposure by the cutaneous route including more particularly, by direct contact with the substance.	mucous m	embrane and	eye, either	r by airbo	
SOURCE OF EXPOSURE LIMIT DATA: - CMRG: Chemical Manufacturer Recommended Ex	κposure G	uidelines			
- NONE: None Established					
8. HEALTH HAZARD DATA					
EYE CONTACT: Mild Eye Irritation: signs/symptoms can include redr Mechanical eye irritation: signs/symptoms can include cornea and tearing.				the	
Abbreviations: N/D - Not Determined N/A - Not Applic	cable CA	- Approximate	 ely		



MSDS: MemBrain™ CHELATING R August 23, 2021			PAGE :
8. HEALTH HAZARD DATA	(continued)		
SKIN CONTACT: Mild Skin Irritation: signs/symptom	ns can include redness,	swelling,and itching.	
Mechanical skin irritation: signs/sy	ymptoms can include ito	ching and redness.	
INHALATION: No adverse health effects are exp	pected from inhalation e	xposure when used at recommended	d temperatures.
IF SWALLOWED: No adverse health effects are exp			
SECTION CHANGE DATES			
PRECAUTIONARY INFO.			
Abbreviations: N/D - Not Determined		CA - Approximately	

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. MAC-MOD Analytical MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE.

User is responsible for determining whether the MAC-MOD Analytical product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a MAC-MOD Analytical product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the MAC-MOD Analytical product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

MAC-MOD Analytical provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, MAC-MOD Analytical makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from MAC-MOD Analytical.