

SAFETY DATA SHEET

Cation Exchange Resin SDS - (Hydrogen Form)

Revision Date: 25-Sep-23

Section 1: Chemical Product and Company Identification

Product Name Cation Exchange Resin

Product Number(s): C8HML-R01-M-H, C4-B500-M-H, C4-DR10-M-H, C4-R50-M-H, C81ML-R50-F-H, C81ML-R50-F-H-X3, C8-B500-C-H, C8-B500-F-H, C8-B500-M-H, C8-DR10-C-H, C8-DR10-M-H, C8-DR5-F-H, C8HML-R50-F-H, C8-R50-F-H, C8-R50-M-H

Product Synonym(s): Cation Exchange Resin, 8% cross-linked; Cation Exchange Resin, 4% cross-linked; Cation Exchange Resin, hydrogen form

Identified Uses: Laboratory chemicals, manufacture of substances

Manufacturer: Eichrom Technologies LLC
1955 University Lane
Lisle, Illinois 60532

General Information: (8-5 CST M-F)
800-422-6693 (in USA)
630-963-0320

24 Hour Emergency Number (US/Canada): 1-800-255-3924 CHEMTEL Contract #:MIS9554039

24 Hour International Access Number: 1-813-248-0585

Country Specific Emergency Numbers:

Australia: 1-300-954-583

India: 000-800-100-4086

Brazil: 0-800-591-6042

Mexico: 1-800-99-731

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

GHS Classification of substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

Skin Irritant

Eye Irritant

Respiratory Tract Irritation

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word

Warning

Hazard Statement(s):

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Statement(s):

Prevention

P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, clothing, and eye protection.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CONTROL CENTER or doctor if you feel unwell.
P332+P313 If skin irritation occurs, seek medical attention.
P337+P313 If eye irritation persists, get medical attention.
P362+P364 Take off contaminated clothing and wash before reuse.

Storage

P403 Store in a well-ventilated place.
P405 Store locked up.

2.3 Hazards Not Otherwise Classified (HNOC) or not covered by GHS:**Section 3: Composition / Information on Ingredients**

Component	CAS_Number	Weight Percentage
Diethylenyl-benzene polymer with ethenylbenzene, sulfonated	69011-20-7	65-70%
Water	007732-18-5	30-35%

Section 4: First-aid Measures

Ingestion	Rinse mouth and call a POISON CONTROL CENTER or doctor if you feel unwell.
Skin Contact	Wash immediately with soap and copious amounts of water. Remove and wash contaminated clothing promptly. If irritation develops, seek medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation	Remove to fresh air. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Seek medical attention.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5: Firefighting Measures

Extinguishing Media	Use fire extinguishing methods suitable to surrounding conditions.
Protective Equipment	Wear positive pressure self-contained breathing apparatus and full personal protective equipment.
Special Hazards	Possible combustion products include carbon oxides, and sulfur oxides.

Section 6: Accidental Release Measures

Personal precautions	Avoid creating and breathing dust. See section 8. Surface may be slippery.
Methods and materials for containment and clean-up	Use proper personal protect equipment (specified in section 8) Sweep up material and transfer to a suitable container for disposal.
Reference to other sections	For disposal see section 13.

Section 7: Handling and Storage

Conditions for safe handling	Avoid repeated freeze-thaw cycles; beads may fracture. If frozen, thaw at room temperature. Use mechanical exhaust if dust is formed.
Conditions for safe storage	Normal warehouse storage in cool, dry area is satisfactory. Storage temperature: 0 to 50 °C (32 to 122°F) Preferred Storage temperature is in the lower half of the range given below. Keep away from strong oxidizers.
Specific End Use(s)	Apart from the uses mentioned in section 1 no other specific uses are stipulated.

Section 8: Exposure Controls / Personal Protection

Control Parameters	Contains no substances with occupational exposure limit values.
Exposure Controls	Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.
Eye protection	Wear safety glasses.
Body protection	Wear protective gloves and clothing.
Respiratory protection	Do not breathe dust.

Section 9: Physical Properties

Information on basic physical and chemical properties

Appearance:	Powder Pale yellow spherical beads	Explosion Limits (Upper/Lower):	Not Applicable
Odor:	low to none	Flash Point:	Not applicable
Odor Threshold:	Not Established	Flammability:	Not flammable until all moisture is removed; resin starts to burn in flame at 230°C
pH:	Not applicable	Autolgnition Temperature:	Not Established
Melting Point:	0 °C (water); Not determined for solid	Decomposition Temperature:	above 500°C
Boiling Point:	100 °C (water); Not determined for solid		
Relative Density:	50 lb/cuft	VaporPressure:	Not Established
Solubility:	Insoluble in water	VaporDensity:	Not Established
Partition Coefficient:	Not Established	Evaporation Rate:	Not Established
Viscosity:	Not Applicable		

Section 10: Stability and Reactivity

Reactivity	No hazardous reactions if stored and handled as indicated.
Chemical Stability	Stable under normal handling and storage conditions.
Hazardous Reactions	No hazardous reactions are expected in normal laboratory use. Hazardous polymerization will not occur.
Conditions to Avoid	Exposure to elevated temperatures can cause product to decompose.
Materials to Avoid	Contact with strong oxidizers will degrade material.
Hazardous decomposition Products	No hazardous decomposition products if stored and handled as indicated. See also section 5.

Section 11: Toxicology Information

Acute Toxicity	
Oral Effects	Oral LD50 > 5,000 mg/kg (rat)
Inhalation Effects	Inhalation LC50 has not been determined.
Dermal Effects	Dermal LD50 has not been determined.
Skin corrosion/irritation	Prolonged exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded (scratched or cut).
Serious eye damage/irritation	May cause slight temporary eye irritation. Solid or dust may cause irritation or corneal injury due to mechanical action.
Respiratory or skin sensitization	No relevant data found.
Germ Cell Mutagenicity	No relevant data found.
Carcinogenicity	No relevant data found.
Reproductive Toxicity	No relevant data found.
Specific Target Organ Toxicity	
Single Exposure	No relevant data found.
Repeated Exposure	No relevant data found. Not anticipated to cause significant adverse effects.
Aspiration Hazard	No data available regarding the aspiration hazard of this product.

Section 12: Ecological Information

No data are available on the adverse effects of this material on the environment.

Section 13: Disposal Considerations

General	Dispose of contents/container in accordance with federal, state, and local regulations.
Unused:	Bury resin in licensed landfill or burn in approved incinerator equipped with an afterburner and scrubber according to local, state, and federal regulations.
Used:	For resin contaminated with hazardous materials, dispose of mixture as hazardous material according to local, state, and federal regulations.

Section 14: Transport Information

Air Transport:	Not Hazardous per IATA 2014
Ground Transport:	Not D.O.T. Hazardous
Water Transport:	Not Hazardous per IMDG 2012.

Section 15: Regulatory Information

US Federal Regulations	Toxic Substances Control Act (TSCA): This material is provided to you under the research and development (R&D) exemption.
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Section 16: Other Information

Revised:	9/25/2023
Replaces Revision:	10/5/2022
Revision	Added new part numbers.
SDS Prepared By:	Eichrom Technologies LLC

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