

Material Safety Datasheet

Section 1. Chemical product and Company Identification

PRODUCT NAME: **Ion Exchange Resin**

PRODUCT NUMBER: EC-408

DESCRIPTION:

Mixed bed ion exchange

Contact Information:

International CHEMTREC, call: 00865336120416

For non-emergency assistance, call: 00865336120416

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% Comp	TLV (units)
Sulfonated divinylbenzene/styrene copolymer	39389-20-3	20 - 30	none established
Quat amine divinylbenzene/styrene copolymer	9017-79-2	20 - 30	none established

Toxicological Data on Ingredients: Not applicable.

Hazardous Components

Section 3: Hazards Identification

APPEARANCE AND ODOR: Odorless amber beads

EMERGENCY OVERVIEW - IMMEDIATE HAZARD

CAN CAUSE IRRITATION TO THE SKIN OR EYES.

EMERGENCY OVERVIEW - CHRONIC HAZARD WARNING

N.A.

Potential Chronic Health Effects:

INHALATION

No information available.

INGESTION

No information available.

SKIN

Prolonged or repeated contact can cause slight skin irritation. EYES

Can cause irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INHALATION

No information available.

INGESTION

No information available.

SKIN

Redness, itching.

EYES

Redness, itching.

CARCINOGENICITY

Not listed as an NTP or IARC carcinogen.

MUTAGENICITY

No information available.

REPRODUCTIVE TOXICITY

No information available.

TERATOGENIC EFFECTS

No information available.

ROUTES OF ENTRY

No information available.

TARGET ORGAN STATEMENT

No information available

Section 4: First Aid Measures

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally.

Get medical attention immediately.

INHALATION:

INGESTION:

SKIN:

Section 5: Fire and Explosion Data

Flash Points: Not applicable.

Flammable Limits: Not applicable.

FLASH POINT METHOD : Not applicable.

AUTOIGNITION TEMPERATURE : 500 C (estimate)

EXTINGUISHING MEDIA

Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

PROTECTIVE EQUIPMENT

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition products may include toxic oxides of nitrogen

and sulfur

UNUSUAL FIRE AND EXPLOSION HAZARDS : N.A.

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Floor may be slippery. Use care to avoid falling. Transfer spilled material to suitable container for recovery or

Disposal

WASTE DISPOSAL METHOD

Disposal must be made in accordance with applicable federal, state, and local regulations

PERSONAL PRECAUTIONS

Wear appropriate protective equipment as specified in section 8.

Section 7: Handling and Storage

HANDLING

The maximum recommended operating temperature for this material is 60C. Properly designed equipment is essential in conjunction with strong oxidizing agents. Consult a knowledgeable source before proceeding

STORAGE

Keep in a tightly closed container, stored in a cooled, dry, ventilated area

STORAGE TEMPERATURE : 0-49C

DISPOSAL

Unused resin may be incinerated or landfilled in facilities meeting local, state, and federal regulations. For contaminated resin, the user must determine the hazard and use an appropriate disposal method.

Section 8: Exposure Controls/Personal Protection

AIRBORNE EXPOSURE LIMITS:

Component: Sulfonated divinylbenzene/styrene copolymer

ACGIH Threshold Limit Value (TLV): none established

OSHA Permissible Exposure Limit (PEL):

ENGINEERING CONTROLS

The ventilation system employed is dependent on the user's specific application of this material

RESPIRATORY PROTECTION

Not expected to require personal respirator usage.

EYE PROTECTION

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area

SKIN PROTECTION

NO NONE

Section 12: Ecological Information

Sulfonated divinylbenzene/styrene copolymer

No information available.

Quat amine divinylbenzene/styrene copolymer

No information available

Section 13: Disposal Considerations

Unused resin may be incinerated or landfilled in facilities meeting local, state, and federal regulations. For contaminated resin, the user must determine the hazard and use an appropriate disposal method. environmental control regulations.

Section 14: Transport Information

DOT Classification: Proper Shipping Name Not regulated.

Hazard Class: N.A.

UN Number:N.A

Packing Group::N/A

I.A.T.A.

Proper Shipping Name: Not regulated

Hazard Class: N.A.

UN Number:N.A

Packing Group::N/A

I.M.O.

Hazard Class: N.A.

UN Number:N.A

Packing Group::N/A

Section 15: Other Regulatory Information

Federal and State Regulations:

TSCA Regulatory:

All intentional ingredients are listed on the TSCA Inventory

SARA 311/312 Hazard Categories

Component	Reactivity	Acute	Chronic	Fire	Pressure
Sulfonated divinylbenzene/styrene copolymer	NO	NO	NO	No	No
Quat amine divinylbenzene/styrene copolymer	NO	NO	NO	NO	NO

EUROPE

EEC Regulatory:

All intentional ingredients are listed on the European EINECS Inventory

EEC LABEL SYMBOL AND CLASSIFICATION

R:

RPS Products, Inc.
281 Keyes Avenue, Hampshire, IL 60140
(847-683-3400)

S:

Section 16: Other Information

MANUFACTURER DISCLAIMER: The information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.