

MATERIAL SAFETY DATA SHEET

Sybron Chemicals Inc. Phone:
Birmingham Road INQUIRY :(609)893-1100 Sybron Chem.Inc.
Birmingham, NJ 08011 EMERGENCY:(800)424-9300 Chemtrec

Product Name: C-299 BZ H

SECTION I

-Manufacturers Name: Sybron Chemicals Inc.
Address : P. O. Box 66, Birmingham, NJ 08011
Chemical Name : Benzene, diethenyl-,polymer with ethenylbenzene
and ethenylethylbenzene, sulfonated in hydrogen form
Generic Family : Ion Exchange Resin
Product Use : Water Treatment Deionization
Name Of Preparer : Regulatory Affairs Date Prepared/Updated: 8/13/03

SECTION II - HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS

Table with 4 columns: CAS NO., CHEMICAL NAME, MAX, and %. Contains data for Benzene, diethenyl-,polymer with ethenylbenzene and ethenylethylbenzene, sulfonated in hydrogen form (CAS 69011-20-7, MAX 50-60) and Water (CAS 7732-18-5, MAX 40-50).

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Solid Boiling Point (Deg.C): N/A
Specific Gravity: 1.3 Freezing Point(Deg.C): 0
Vapor Pressure (mm/Hg): 17 at 20 C for water Solubility in Water: Insoluble
Vapor Density (Air=1): 0.62 for water Evaporation Rate (H2O=1): 1
Odor: Odorless pH(in an aqueous slurry)= 6-9
Odor Threshold (ppm): N/A Appearance: Spherical Beads
Coefficient of water/oil distribution: ND

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

NFPA Fire Hazard Class: 1
Flash Point (Deg. C)/Method Used: ND
Auto Ignition Temperature (deg. C): Greater Than 500
Conditions of Flammability: ND
Flammable Limits: ND
Extinguishing Media: Carbon dioxide, dry chemical or water fog
Hazardous combustion products: Same as Reactivity Data Section
Explosion data:
Sensitivity to mechanical impact: ND

Special Fire Fighting Procedures: Wear MSHA/NIOSH approved pressure demand, self-contained breathing apparatus. Guard against contact of the product with the eyes during salvage operation.

Product Name:

SECTION V - REACTIVITY DATA

NFPA Reactivity Rating: 1

Route of entry: Eye contact

Conditions under which product is chemically unstable: At temperatures above 204 deg. C decomposition occurs. Explosive reactions can occur in the presence of strong oxidizing agents.

Incompatibility (Materials to Avoid): Strong oxidizing agents such as nitric acid.

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, styrene and divinylbenzene.

Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

NFPA Health Hazard: 1 Route of entry: Eye contact

Effect of acute exposure to product: Can produce mechanical irritation to the eyes. May cause skin irritation of hypersensitive personnel.

Effect of chronic exposure to product: Mechanical irritation to the eyes and skin irritation to hypersensitive personnel.

Exposure Limits: ND Mutagenicity: ND

Carcinogenicity: ND Reproductive Toxicity: ND

Teratogenicity: ND Toxicologically synergistic products: ND

Irritancy of Product: Eyes and Skin

Symptoms of exposure: Red, irritated eyes, itching and feeling that a particle exists between the eyelid and eye.

Emergency and First Aid Procedures: Flush eyes and skin with copious quantities of water for 15 minutes. If irritation persists, see a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage Requirements: Avoid freezing or prolonged storage above 50 deg. C because product contains water which will freeze and damage product or dry-out also damaging the product.

Special Shipping Information: Avoid freezing.

In case of spill or leak: Sweep area of product, collecting in a container for disposal

Waste Disposal Method: As supplied, new or used ion exchange resins generally are not hazardous and therefore are not considered as hazardous wastes. Used resins may meet the regulatory definition of hazardous wastes as a result of their service. (Refer to 40 CFR 261)

Regulatory agencies and many disposal sites may require verification of the hazardous or non-hazardous properties of the waste and a form of certification by the generator concerning the waste. Data necessary to make a determination can be developed through appropriate analysis of the material to be disposed of.

A representative of the material should be analyzed by a certified laboratory following procedures set forth in 40 CFR 261, Appendix II, Method 1311 Toxicity Characteristic Leaching Procedure (TCLP) and EP Toxicity Test Procedure.

Based on the results obtained from these analyses, disposal of spent resins can be accomplished in accordance with applicable federal and state regulations for solid and/or hazardous wastes.

Product Name:

SECTION VIII - CONTROL MEASURES

Personal protective equipment: Wear impervious gloves and splash goggles while handling ion exchange material.

Other Protective Clothing or Equipment: Long sleeve shirts and long trousers is recommended to prevent skin contact.

Work/Hygienic Practices: Flush product from hands with soapy water. Care should be taken to avoid contact with eyes until hands have been completely cleaned. Product has a tendency to cling to skin due to static charge. Care must be exercised to remove all product from skin. The product causes areas to become extremely slippery when spilled, and can cause falls. Sweep up spilled material and transfer for proper disposal.

SECTION IX - REGULATORY INFORMATION & REFERENCES

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302 Reporting if Above: None
SECTION 304 Reporting if Above: None
SECTION 313 Reporting Required: No

CERCLA Reporting required if above: None
RCRA Reporting required: No

OTHER

Canadian WHMIS Classification:

D.O.T. Hazard Name: Not regulated by D.O.T.
D.O.T. ID Number:
D.O.T. Hazard Class:

REFERENCES

The data and recommendations presented herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Sybron Chemicals Inc. assumes no responsibility for injury to customers or third persons caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, since actual use by others is beyond our control, no guarantee, expressed or implied, is made by Sybron Chemicals Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Sybron Chemicals Inc. assume any liability arising out of use, or misuse, by others, of the product referred to herein.

Information provided herein is provided by Sybron Chemicals Inc. solely for customer's assistance in complying with the Occupational Safety and Health Act of 1970 and regulations thereunder. Any other use is prohibited.

