

A  Company

Sybron Chemicals Inc.  
 Bayer Corporation  
 200 Birmingham Road  
 Birmingham, NJ 08011

TRANSPORTATION EMERGENCY

CALL CHEMTREC: 800-424-9300  
 INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION

BAYER EMERGENCY PHONE...: (609) 893-1100  
 BAYER INFORMATION PHONE.: (609) 893-1100

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: Ionac ASB-1P  
 PRODUCT CODE.....: 5377  
 CHEMICAL FAMILY.....: Anion Exchange Resin  
 CHEMICAL NAME.....: Benzene, diethenyl-, polymer with ethenylbenzene and  
 ethenylethylbenzene, chloromethylated, trimethylamine-  
 quarternized

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME /CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
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\*\*\*\*\* HAZARDOUS INGREDIENTS \*\*\*\*\*

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION:

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 \* EMERGENCY OVERVIEW \*  
 \*  
 \* Color: Beads solid; Form: Beads; Odor: Slight fish; \*  
 \* Product poses little or no hazard if spilled and no unusual \*  
 \* hazard if involved in a fire. \*  
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POTENTIAL HEALTH EFFECTS:

3. HAZARDS IDENTIFICATION (Continued)

ROUTE(S) OF ENTRY.....: Eye contact

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE.....: This product is not expected to be irritating to the skin. Eye irritation can occur by mechanical action only.

CHRONIC EFFECTS OF EXPOSURE...: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY.....: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known.

EXPOSURE LIMITS.....: Not established for this product.

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation develops.

FIRST AID FOR SKIN.....: Remove contaminated clothing. Flush skin with plenty of water. Wash contaminated clothing before reuse. Contact a physician.

FIRST AID FOR INHALATION: Exposure by inhalation is not expected under normal conditions of use due to the physical nature of this material.

FIRST AID FOR INGESTION.: If swallowed, call a physician.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: Not applicable

AUTO-IGNITION TEMPERATURE.....: Greater than 500 C (932 F)

EXTINGUISHING MEDIA.....: Dry Chemical; Foam; Water spray for large fires.; Water fog

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.....: Utilize recommended protective clothing and equipment. Spills should be taken up mechanically and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal.

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7. HANDLING AND STORAGE:  
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STORAGE TEMPERATURE(MIN/MAX): 32 F (0 C)/104 F (40 C)  
SHELF LIFE.....: Minimum five (5) years if stored in sealed original container.  
SPECIAL SENSITIVITY.....: None known  
HANDLING/STORAGE PRECAUTIONS: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Store in a dry place away from excessive heat, in original or similar waterproof containers. Reseal containers immediately after use. Protect from freezing.

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8. PERSONAL PROTECTION:  
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EYE PROTECTION REQUIREMENTS.....: Chemical safety goggles  
SKIN PROTECTION REQUIREMENTS.....: Cloth gloves and other protective clothing as appropriate to minimize skin contact. Employees should wash their hands and face before eating, drinking, or using tobacco products.  
VENTILATION REQUIREMENTS.....: Under normal conditions of use, special ventilation is not required.  
RESPIRATOR REQUIREMENTS.....: Under normal conditions of use, respiratory protection is not required.  
ADDITIONAL PROTECTIVE MEASURES.....: Emergency showers and eye wash stations should be made available. Educate and train employees in the safe use and handling of this product.

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9. PHYSICAL AND CHEMICAL PROPERTIES:  
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PHYSICAL FORM.....: Beads  
COLOR.....: Beads solid  
ODOR.....: Slight fish  
pH .....: Not Applicable  
BOILING POINT.....: Not Applicable  
MELTING/FREEZING POINT....: Not Established  
SOLUBILITY IN WATER .....: Insoluble in cold water  
SPECIFIC GRAVITY .....: 1.1 @ 68 F (20 C)  
BULK DENSITY.....: 1.2 @ 68 F (20 C)  
EVAPORATION RATE .....: 1 (Butyl acetate = 1)  
VAPOR PRESSURE .....: Not Applicable  
VAPOR DENSITY .....: 0.62 (Air = 1)

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10. STABILITY AND REACTIVITY:  
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STABILITY.....: This is a stable material.  
HAZARDOUS POLYMERIZATION...: Will not occur.  
INCOMPATIBILITIES.....: Oxidizing agents  
INSTABILITY CONDITIONS.....: None known  
DECOMPOSITION TEMPERATURE...: Not Established  
DECOMPOSITION PRODUCTS.....: In case of fire CO, CO2, and other potentially  
toxic fumes.

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11. TOXICOLOGICAL INFORMATION:  
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NO ANIMAL TOXICITY INFORMATION AVAILABLE

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12. ECOLOGICAL INFORMATION:  
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NO ECOLOGICAL INFORMATION AVAILABLE

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13. DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL METHOD.....: Waste disposal should be in accordance with  
existing federal, state and local environmental regulations.

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14. TRANSPORTATION INFORMATION:  
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TECHNICAL SHIPPING NAME.....: Ion Exchange Resin  
FREIGHT CLASS BULK.....: Synthetic plastics w/ or w/out  
filler, flakes, granules, pellets, liq., powder.  
FRT CLASS 60  
FREIGHT CLASS PACKAGE.....: Synthetic plastics w/ or w/out  
filler, flakes, granules, pellets, liq., powder.  
FRT CLASS 60  
PRODUCT LABEL.....: Ionac ASB-1P

DOT (DOMESTIC SURFACE)  
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HAZARD CLASS OR DIVISION .....: Non-Regulated

14. TRANSPORTATION INFORMATION (Continued)

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DOT (continued)  
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IMO / IMDG CODE (OCEAN)  
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HAZARD CLASS DIVISION NUMBER...: Non-Regulated

ICAO / IATA (AIR)  
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HAZARD CLASS DIVISION NUMBER...: Non-Regulated

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15. REGULATORY INFORMATION:  
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OSHA STATUS.....: This product is not hazardous under the criteria  
of the Federal OSHA Hazard Communication Standard  
29 CFR 1910.1200.

TSCA STATUS.....: On TSCA Inventory

CERCLA REPORTABLE QUANTITY...: None

SARA TITLE III:

SECTION 302 EXTREMELY

HAZARDOUS SUBSTANCES...: None

SECTION 311/312

HAZARD CATEGORIES.....: Non-hazardous under Section 311/312

SECTION 313

TOXIC CHEMICALS.....: None

RCRA STATUS.....: If discarded in its purchased form, this product  
would not be a hazardous waste either by listing  
or by characteristic. However, under RCRA, it is  
the responsibility of the product user to  
determine at the time of disposal, whether a  
material containing the product or derived from  
the product should be classified as a hazardous  
waste. (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other  
product specific health and safety data in other sections of the MSDS may also  
be applicable for state requirements. For details on your regulatory  
requirements you should contact the appropriate agency in your state.

COMPONENT NAME

/CAS NUMBER                      CONCENTRATION              STATE CODE

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Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene,  
chloromethylated, trimethylamine- quarternized

69011-19-4                      Approx. 50%              PA3, NJ4

Water

7732-18-5                      Approx. 50%              PA3, NJ4  
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NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%

15. REGULATORY INFORMATION (Continued)

PA3 = Pennsylvania Non-hazardous present at 3% or greater.

16. OTHER INFORMATION:

HMIS RATINGS:                   Health    Flammability    Reactivity  
                                  1            1            1  
                                  0=Minimal 1=Slight  2=Moderate  3=Serious 4=Severe

Bayer's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by Bayer as a customer service.

REASON FOR ISSUE.....: Revise Section 1  
PREPARED BY.....: R. Ruppel-Kerr  
APPROVED BY.....: John F. McPeak  
APPROVAL DATE.....: 08/21/2002  
SUPERSEDES DATE.....: 11/16/2001  
MSDS NUMBER.....: 44557

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