

Sybron Chemicals Inc.
Bayer Corporation
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Birmingham, NJ 08011

TRANSPORTATION EMERGENCY

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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 Macro T
PRODUCT CODE.....: 5303-1
CHEMICAL FAMILY.....: Anion Exchange Resin

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME

/CAS NUMBER

EXPOSURE LIMITS

CONCENTRATION (%)

***** 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:

* EMERGENCY OVERVIEW *
*
* Color: White; Form: Beads; Odor: Odorless; Product poses *
* little or no hazard if spilled and no unusual hazard if *
* involved in a fire. *

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY.....: Inhalation; Skin Contact; Eye Contact;
Ingestion

3. HAZARDS IDENTIFICATION (Continued)

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE.....: This product may cause slight eye and skin irritation.

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

CARCINOGENICITY.....: The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: Persons with preexisting eye or skin disorders may be more susceptible to the effects of this product.

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops or persists.

FIRST AID FOR SKIN.....: In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

FIRST AID FOR INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

FIRST AID FOR INGESTION.: If ingested, get medical attention.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: Not Applicable

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

EXTINGUISHING MEDIA.....: Water; Dry Chemical; Carbon Dioxide; Foam

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 protective clothing and equipment. Spills should be taken up mechanically and placed into labelled, closable containers. Spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE(MIN/MAX): Not Established

SHELF LIFE.....: 6 months

SPECIAL SENSITIVITY.....: Protect from freezing.

HANDLING/STORAGE PRECAUTIONS: Avoid breathing mist and vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Store in a dry place away from excessive heat, in original or similar waterproof containers. Reseal containers immediately after use. Keep from freezing.

8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS.....: Chemical safety goggles

SKIN PROTECTION REQUIREMENTS.....: Rubber gloves and long sleeved shirts and pants 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 available. Educate and train employees in the safe use and handling of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Beads

COLOR.....: White

ODOR.....: Odorless

pH: 7 - 9 (aqueous slurry)

BOILING POINT.....: 212 F (100 C)

MELTING/FREEZING POINT....: 32 F (0 C)

SOLUBILITY IN WATER: Practically insoluble

SPECIFIC GRAVITY: 1.05 - 1.15

BULK DENSITY.....: Not Established

EVAPORATION RATE: Less than 1 (Butyl acetate = 1)

VAPOR PRESSURE: 17 mm Hg at 68 F (20 C) (water)

VAPOR DENSITY: Less than 1 (Air = 1)

10. STABILITY AND REACTIVITY:

STABILITY.....: This is a stable material.
HAZARDOUS POLYMERIZATION...: Will not occur.
INCOMPATIBILITIES.....: Oxidizing and reducing agents.
INSTABILITY CONDITIONS.....: None Known
DECOMPOSITION PRODUCTS.....: In case of fire CO, CO2, nitrogen oxides, hydrogen
chloride, and other potentially toxic fumes.

11. TOXICOLOGICAL INFORMATION:

Toxicity data is for a similar product

ACUTE TOXICITY

ORAL LD50.....: Greater than 5000 mg/kg (rat)
DERMAL LD50.....: Greater than 5000 mg/kg (rat)
MUTAGENICITY.....: Not mutagenic in the Ames test.

12. ECOLOGICAL INFORMATION:

NO ECOLOGICAL INFORMATION AVAILABLE

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION:

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 Macro T

14. TRANSPORTATION INFORMATION (Continued)

DOT (DOMESTIC SURFACE)

HAZARD CLASS OR DIVISION: Non-Regulated

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

15. REGULATORY INFORMATION:

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

Modified quaternary amine acrylic polymer, Cl ion form

Greater than 1 % PA3, NJ4

15. REGULATORY INFORMATION (Continued)

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
Water 7732-18-5	Greater than 1 %	PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%
 PA3 = Pennsylvania Non-hazardous present at 3% or greater.

16. OTHER INFORMATION:

HMIS RATINGS:

Health	Flammability	Reactivity
1	0	0
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.....: New Product
 PREPARED BY.....: R. Ruppel-Kerr
 APPROVED BY.....: John F. McPeak
 APPROVAL DATE.....: 04/28/2003
 SUPERSEDES DATE.....: None
 MSDS NUMBER.....: 47884

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