

A Bayer  Company

Sybron Chemicals Inc.
 Bayer Corporation
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 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.....: Lewatit S 1467
 PRODUCT CODE.....: 4273B
 CHEMICAL FAMILY.....: Cation Exchange Resin
 CHEMICAL NAME.....: Styrene and divinylbenzene copolymer with sulfonic-acid groups in sodium form, aqueous preparation

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:

 * EMERGENCY OVERVIEW *
 *
 * Color: Light brown, transparent; 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.....: Eye and skin contact.

3. HAZARDS IDENTIFICATION (Continued)

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE.....: On the basis of animal toxicity testing on a similar product (see Section 11) we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion.

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 large amounts of water or normal saline solution, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15-20 minutes). Seek medical attention if irritation persists or develops.

FIRST AID FOR SKIN.....: Remove product from clothing. Wash affected skin area with soap and water. Wash clothing before reuse. Seek medical attention if irritation develops or persists.

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 Established

AUTO-IGNITION TEMPERATURE.....: Not below 482 F (250 C)

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

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 appropriate protective clothing and equipment. Take up spill mechanically and place into labelled, closable containers. Spill area can be washed with water; Collect wash water for

6. ACCIDENTAL RELEASE MEASURES (Continued)

approved disposal.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE(MIN/MAX): 32 F (0 C)/104 F (40 C)
SHELF LIFE.....: Approximately one (1) year.
SPECIAL SENSITIVITY.....: Moisture, Cold
HANDLING/STORAGE PRECAUTIONS: Store in dry place, away from excessive heat, in original or similar waterproof containers. Reseal containers immediately after use. Avoid unnecessary contact. Adopt precautionary measures against static discharges. Protect from freezing. Prevent loss of moisture used to swell beads.

8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS.....: Protective goggles or safety glasses.
SKIN PROTECTION REQUIREMENTS.....: Cloth gloves, long sleeved shirts and pants. 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 on the safe use and handling of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Beads
COLOR.....: Light brown, transparent
ODOR.....: Odorless
pH: Neutral salt
BOILING POINT.....: Not Established
MELTING/FREEZING POINT....: Not Established
SOLUBILITY IN WATER: Not Applicable
SPECIFIC GRAVITY: Approx. 1.28
BULK DENSITY.....: 800-900 kg/m3
VAPOR PRESSURE: Not Applicable

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 TEMPERATURE..: Not Established
DECOMPOSITION PRODUCTS.....: In case of fire CO, CO2, oxides of nitrogen,
sulfur and other potentially toxic fumes.

11. TOXICOLOGICAL INFORMATION:

For risk assessment on a similar product

ACUTE TOXICITY

DERMAL LD50.....: Greater than 5000 mg/kg (Rat)
EYE EFFECTS.....: Non-irritating to rabbit eyes.
SKIN EFFECTS.....: Non-irritating to rabbit skin.

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.....: Cation Exchange Resin
FREIGHT CLASS BULK.....: Compounds, Water Purifying, NOT MED., NOI
FREIGHT CLASS PACKAGE.....: Compounds, water purifying, not med, NOI
PRODUCT LABEL.....: Lewatit S 1467

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

Water

7732-18-5

40-50 %

PA3, NJ4

15. REGULATORY INFORMATION (Continued)

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
2-Propenenitrile, polymer with diethenylbenzene and ethenylbenzene,sulfonated, sodium salt 68442-39-7	50-60 %	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
 0 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.....: Change company and product codes.
PREPARED BY.....: S. Van Volkenburg
APPROVED BY.....: John F. McPeak
APPROVAL DATE.....: 01/14/2002
SUPERSEDES DATE.....: 12/14/2000
MSDS NUMBER.....: 41190

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