



Product Number:

039563

DIONEX Corporation
1228 Titan Way
P.O. Box 3603
Sunnyvale, California
94088-3603

Product Description:

AUTOREGEN CATION CARTRIDGE

Emergency Phone:
1-800-424-9300 (CHEMTREC)
Information Phone: (408) 737-0700
Date Prepared: 27 January, 1998
Prepared By:

(Max Ebenhahn)

The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (Section II)

HAZARDOUS COMPONENTS

The polyvinylchloride cartridge contains a fully aminated copolymer adduct of polyvinylbenzylchloride crosslinked with divinylbenzene and is supplied in the hydroxide form. The cartridge is shipped without liquid. When used as recommended, the cartridge is a nonhazardous component of the of the DIONEX Ion Chromatograph. When in use however, the cartridge will contain 0.1 M tetrabutylammonium hydroxide regenerant which has a basic pH. Protective gloves and glasses should be worn during the installation of the cartridge to protect the skin and the eyes from contact with the regenerant but no special precautions are required during normal operation.

PHYSICAL/CHEMICAL CHARACTERISTICS (Section III)

BOILING POINT: N/A The resin is a solid.
SOLUBILITY IN WATER: Insoluble, nonvolatile
APPEARANCE AND ODOR: 750 micron brown spherical resin particles

FIRE AND EXPLOSION HAZARD DATA (Section IV)

EXTINGUISHING MEDIA: Carbon Dioxide, Foam, Dry Chemicals, Water
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters subject to products of combustion should wear full protective clothing including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Fire decomposition products may include Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride and Oxides of Nitrogen.

REACTIVITY DATA (Section V)

STABILITY
UNSTABLE:
STABLE: X
CONDITIONS TO AVOID:
INCOMPATIBILITY (MATERIALS TO AVOID):
Strong oxidizing agents such as concentrated nitric acid.
Acetone will dissolve the polyvinylchloride.
HAZARDOUS POLYMERIZATION:
MAY OCCUR:
WILL NOT OCCUR: X
CONDITIONS TO AVOID:





HEALTH HAZARD DATA (Section VI)

HAZARD CLASS: Nonhazardous
ROUTES OF ENTRY
INHALATION?: No
SKIN?: No
INGESTION?: No (The resin is sealed in the cartridge)
HEALTH HAZARDS (ACUTE AND CHRONIC): None
CARCINOGENICITY:
NTP?: No
IARC MONOGRAPHS?: No
OSHA REGULATED?: No

PRECAUTIONS FOR SAFE HANDLING AND USE (Section VII)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If the cartridge is broken so that the resin spills out of the cartridge, sweep up the resin and the cartridge pieces and dispose them as nonhazardous solid waste. Resin that is left on the floor becomes a hazard as it makes the floor very slippery.

If the cartridge contains liquid at the time that it breaks, neutralize the liquid (sodium bicarbonate is effective), sweep up the resin and the cartridge pieces and dispose of them as nonhazardous waste. Wash the contaminated area with soap and water.

WASTE DISPOSAL METHOD:

The cartridge and the resin can be disposed of as nonhazardous solid waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

No special precautions are required to use this product.

CONTROL MEASURES (Section VIII)

RESPIRATORY PROTECTION (SPECIFY TYPE): None required.

VENTILATION There are no special ventilation requirements.

PROTECTIVE GLOVES: Use standard laboratory gloves when changing the cartridges to protect skin from the acid regenerant.

EYE PROTECTION: Glasses or goggles should always be used in laboratories.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No special clothing or equipment is required.