



Dow U.S.A.

The Dow Chemical Company
Midland, Michigan 48674

Material Safety Data Sheet

Dow Chemical U.S.A.* Midland, MI 48674 Emergency Phone: 517-636-4400

Product code: 37220

Page: 1

Product Name: DOWEX (R) HCR-W2 CATION EXCHANGE RESIN

Effective Date: 06/14/91 Date Printed: 02/13/92

MSDS:001158

1. INGREDIENTS: (% w/w, unless otherwise noted)

Sulfonated copolymer of styrene and
divinylbenzene in the sodium form CAS# 069011-22-9 40-70%
Water CAS# 007732-18-5

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: Not applicable
VAP PRESS: Not applicable
VAP DENSITY: Not applicable
SOL. IN WATER: Insoluble
SP. GRAVITY: Density 53 lb/ft³
APPEARANCE: Light yellow to amber solid (beads).
ODOR: Not applicable

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: Not applic.
METHOD USED: Not applic.

FLAMMABLE LIMITS
LFL: Not applic.
UFL: Not applic.

EXTINGUISHING MEDIA: Dry chemical.

FIRE & EXPLOSION HAZARDS: Product is not combustible until moisture is removed, then resin starts to burn in flame at 230C. Autoignition occurs above 500C. Naphthalene, benzaldehydes, phenol, carbon dioxide, water, sulfur oxides, organic sulfonates are possible fire combustion products.

FIRE-FIGHTING EQUIPMENT: Wear positive pressure self-contained breathing apparatus.

(Continued on page 2 , over)

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Page: 3

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7. FIRST AID:

EYES: Irrigate immediately with water for at least 5 minutes.

SKIN: No adverse effects anticipated by this route of exposure.

INGESTION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

INHALATION: No adverse effects anticipated by this route of exposure.

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE (S): None established.

VENTILATION: Good general ventilation should be sufficient.

RESPIRATORY PROTECTION: No respiratory protection should be needed.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

EYE PROTECTION: Use safety glasses.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Practice reasonable care and caution. Metal equipment should be compatible with feed, regenerant, resin form, and effluent of that process.

TSCA CONSIDERATIONS:

Every different salt or ionic form of an ion-exchange resin is a separate chemical. If you use an ion-exchange resin for ion-exchange purposes and then remove the by-product resin from its vessel or container prior to recovery of the original or another form of the resin or of another chemical, the by-product resin must be listed on the TSCA Inventory (unless an exemption is applicable). It is the responsibility of the customer to ensure that such isolated, recycled by-product resins are in compliance with TSCA. Failure to comply could result in substantial civil or criminal penalties being assessed by the Environmental Protection Agency.

MSDS STATUS: Revised section 9 and regsheets.

For information regarding state/provincial and federal regulations see The Regulatory Information Section.

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Page: R-1

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REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

U.S. REGULATIONS

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

CANADIAN REGULATIONS

The Workplace Hazardous Materials Information System (W.H.M.I.S.) Classification for this product is:

This product is not a "Controlled Product" under WHMIS.

The Transportation of Dangerous Goods Act (T.D.G.A.) classification for this product is:

Not regulated

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