



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. PP 90  
Effective Date February 5, 1999

## SECTION V HEALTH HAZARD DATA

PP 90

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

Can produce mechanical irritation to the eye or skin irritation to hypersensitive personnel in both acute and chronic exposures. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists, get medical attention. **INGESTION:** If conscious give water to drink, call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Avoid freezing (32°C), or prolonged storage above 50°C (122°F). Excessive temperature and heat.

Incompatibility (Materials to Avoid)	Strong oxidizing agents such as Nitric acid.
--------------------------------------	--

Hazardous Decomposition Products	Combustion may produce carbon monoxide, carbon dioxide, styrene, sulfur dioxide, divinylbenzene.
----------------------------------	--

Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Sweep up and place in suitable container for proper disposal. Resin beads under foot can lead to falls. Area of spills can become extremely slippery.
---	--

Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  Dispose of in an approved incinerator equipped with an afterburner and scrubber or in an approved chemical landfill.
-----------------------	--

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, goggles, ventilation hood.			

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Avoid freezing or prolonged storage above 50°C (122°F), product contains water that will freeze or evaporate and therefore damage product. Store in a cool place and keep from drying. If dried add water. Avoid contact with skin and eyes. Wash thoroughly after handling.
---	--

Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
-------------------	---

Use in keeping with good laboratory practices.  
Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 4	Date	2/5/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
----------	-------	------	--------	----------	-----------------	-----------------------------	----

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	PERMUTIT
Chemical Synonyms	Cation Exchange Resin
Formula	Mixture
Unit Size	up to 2.5 Kg.
C.A.S. No.	Mixture

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

HMIS \*  
HEALTH FIRE REACTIVITY  
1 0 0

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Product contains: Sulfonated copolymer of styrene and		
Divinylbenzene in sodium form: (CAS No. 69011-22-9)	50-65%	None established.
Water: (CAS No. 7732-18-5)	35-50%	None established.

CAUTION! MAY CAUSE SKIN AND EYE IRRITATION.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes @ 204°C (400°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.3
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	35-50% (water)
Vapor Pressure (mm Hg)	17 @ 20°C (68°F) water	Evaporation Rate (Water = 1)	1
Vapor Density (Air=1)	0.62 (water)		
Solubility in Water	Insoluble.		
Appearance & Odor	Dark spherical beads with no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray or fog; dry chemical; carbon dioxide (CO <sub>2</sub> ).				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing including eye protection.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products. Explosive reactions can occur in the presence of strong oxidizing agents.

Autoignition occurs at temperatures greater than 500°C (932°F).

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20