



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. HH 225  
Effective Date March 8, 1999

## SECTION V HEALTH HAZARD DATA

HH 225

### Threshold Limited Value

(ACGIH 1992-93): None established.  
Toxicity data: Orl-mouse LD50: 400 mg/Kg.

### Effects of Overexposure

**TARGET ORGANS AFFECTED:** Skin, eyes, respiratory tract.  
**EYES:** Corrosive, may cause corneal damage. **SKIN:** Irritant, possible sensitizer. **INHALATION:** Vapor harmful. May cause respiratory tract irritation. **INGESTION:** Harmful if swallowed, may cause nausea, vomiting, headache, shortness of breathe.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give several glasses of water or milk to drink. Do **NOT** induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with soap and water. If irritation develops, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Excessive temperatures, heat, moisture.

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Oxides of nitrogen, chloride if heated to decomposition.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
Not applicable.	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Ventilate area. Wear protective safety equipment. Avoid raising dust, place material in proper container for disposal. Flush spill area with soap and water.
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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.
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Dispose of in accordance with local, state and federal regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	A NIOSH/MSHA-approved organic vapor respirator should be worn. In the laboratory, work in ventilation hood.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety goggles.
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Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry area. Protect from moisture. Wash thoroughly after handling. Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 3	Date	3/8/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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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	Hydroxylamine Hydrochloride
Chemical Synonyms	N/A
Formula	NH <sub>2</sub> OH•HCl
Unit Size	up to 2.5 Kg.
C.A.S. No.	5470-11-1

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

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

Health	3
Fire	2
Reactivity	3

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Hydroxylamine Hydrochloride	>99%	None established.
DANGER! CORROSIVE! HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES BURNS TO SKIN AND EYES.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes @ 152°C (306°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.67
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	1 gram per mL.		
Appearance & Odor	Crystalline solid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray, foam, carbon dioxide, dry chemical.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

D.O.T.	Corrosive solid, acidic, inorganic, n.o.s., (Hydroxylamine hydrochloride), 8, UN 3260, PG III
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20