



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. AA 224  
Effective Date January 20, 1999

## SECTION V HEALTH HAZARD DATA

AA 224

### Threshold Limited Value

Toxicity data: orl-rat 2150 mg/kg.

### Effects of Overexposure

**EYES:** Irritant. **INHALATION-INGESTION:** Gastrointestinal disturbance, respiratory irritation. Inhalation of concentrated vapors causes edema of respiratory tract; spasm of the glottis and asphyxia.

### 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 upper and lower eyelids occasionally. Get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, dilute stomach contents with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	X	Conditions to Avoid	Avoid exposure to heat and excessive temperatures.
	Stable			

Incompatibility (Materials to Avoid)	Sodium nitrite and nitrates.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce Ammonia and carbon dioxide.
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Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Reclaim as much as possible. Carefully sweep up and place in a suitable container for proper disposal. Flush 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.

Dispose of in accordance with federal, state and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Work in exhaust hood or wear a NIOSH/MSHA-approved respirator with ammonia canister if necessary.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, ventilation hood, proper gloves, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Keep in tightly closed, light-resistant container at a temperature not above 30°C. Decomposes on exposure to air with loss of ammonia and carbon dioxide. Avoid contact with eyes, skin and clothing.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Avoid breathing fumes. Use with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing.

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

Revision No. 6	Date 1/20/99	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	AMMONIUM CARBONATE
Chemical Synonyms	Crystal ammonia
Formula	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	506-87-6

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

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

HMIS \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ammonium Carbonate: (CAS No. 506-87-6)	100%	None established.

CAUTION! CAUSES IRRITATION OF EYES, SKIN AND MUCOUS MEMBRANES. DECOMPOSES IN AIR.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes.	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Decomposes.
Vapor Pressure (mm Hg)	760 @ 60°C. (140°F)	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Decomposes in hot water.		
Appearance & Odor	Translucent, hard crystals, cubes, lumps. Strong ammonia odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use water fog or dry chemical extinguishing media.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Decomposes to ammonia and carbon dioxide at temperatures above 58°C (136°F).

D.O.T. NON-REGULATED.

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