



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. AA 90
Effective Date January 18, 1999

SECTION V HEALTH HAZARD DATA

AA 90

Threshold Limited Value

Not established. (ACGIH 1992-93).

Effects of Overexposure

INHALATION: Low hazard in normal handling. May cause irritation as nuisance dust. **SKIN:** Low hazard in normal handling. May cause irritation. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **SKIN:** Flush 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. If irritation develops, get medical attention. **INGESTION:** If swallowed, if conscious, give water to drink. Get medical attention if needed. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Excessive temperature and heat.

Incompatibility (Materials to Avoid)	Strong oxidizers, strong alkalis.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide, carbon monoxide and nitrous oxide.
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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	Recover for use if not contaminated. Sweep up material and place in a suitable container for proper disposal. Wash spill area with a soap and water solution.
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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 federal, state and local regulations.

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.
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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, lab coat, eye wash station, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials.
Keep container tightly closed when not in use.	

Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Avoid contact with skin or eyes. 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. 5	Date	1/18/99	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	DL-alpha-ALANINE
Chemical Synonyms	2-Aminopropionic Acid
Formula	C ₃ H ₇ NO ₂
Unit Size	up to 2.5 Kg.
C.A.S. No.	302-72-7

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

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

HMIS *
Health 1
Fire 1
Reactivity 0

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
DL-alpha-Alanine	100%	None established.
CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR		
ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	295°C (401°F) dec.	Specific Gravity (H ₂ O = 1)	1.424 at 20°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. =1)	N/A
Vapor Density (Air=1)	3.0		
Solubility in Water	Appreciable.		
Appearance & Odor	White crystalline powder; 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; dry chemical; carbon dioxide.				

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. May be a slight fire hazard, when exposed to heat or flame; can react vigorously with oxidizing materials.

D.O.T. **NON-REGULATED.**

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