



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 85
Effective Date January 18, 1999

SECTION V HEALTH HAZARD DATA

AA 85

Threshold Limited Value

Not established. (ACGIH 1992-93).

Effects of Overexposure

INHALATION: Low hazard in normal handling. Excessive inhalation may cause irritation. **SKIN:** Low hazard in normal handling. May cause allergic reaction. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard, but intentional ingestion or excessive dosage may lead to gastrointestinal irritation.

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 immediate medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. **INGESTION:** If swallowed, if conscious, give water to drink. Call a physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

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	Not applicable.
May Occur	Will Not Occur		
	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 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 an approved incinerator equipped with an after burner and scrubber.

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	Recommended.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, lab coat, eye wash station, ventilation hood, proper gloves.			

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	D-ALANINE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 4
Chemical Synonyms	2-Aminopropionic Acid	
Formula	CH ₃ CH(NH ₂)COOH	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	338-69-2	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
D-Alanine	100%	None established.
CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED.		
MAY CAUSE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	264-296°C (507-564°F)	Specific Gravity (H ₂ O = 1)	Not available (variable).
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)	Unknown.		
Solubility in Water	Appreciable.		
Appearance & Odor	Off white to white crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; dry chemical; carbon dioxide, foam.				

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Slight, 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