



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 42
Effective Date December 30, 1997

SECTION V HEALTH HAZARD DATA

AA 42

Threshold Limited Value

None established for each of the amino acids contained in the kit.

Effects of Overexposure

May be harmful by inhalation and ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. **SKIN:** Flush with soap and water. Call physician if irritation persists. **EYES:** Flush with water for 15 minutes and call a physician if irritation persists. **INGESTION:** If conscious, give water to drink and call 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 oxidizing agents, acids, alkalis, bases.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide and /or carbon monoxide and probably emits toxic fumes of sulfur, nitrogen as well as chlorine, bromine, ammonia.
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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	Ventilate area. Avoid raising dust. Wearing protective clothing, sweep up and place in a suitable container for disposal. Wash 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 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 respirator.
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Ventilation	Local Exhaust	Recommended	Special	No.
	Mechanical (General)	Recommended	Other	No.

Protective Gloves	Recommended-rubber if needed	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat or other long sleeved garment to limit skin exposure. Access to safety shower and eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Keep container tightly closed. Store in a cool, dry place away from strong oxidizing materials. Wash thoroughly after handling.
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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 contact with skin, eyes and clothing. Avoid breathing dust. Remove and wash contaminated clothing.

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

Revision No. 2	Date 12/30/97	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	AMINO ACID KIT 22
Chemical Synonyms	Kit containing 22 Amino acids.
Formula	NA
Unit Size	1 gram each.
C.A.S. No.	Product is a kit

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

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

Health	1
Fire	1
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Contains- DL-Alanine, B-Alanine, Amino acetic acid, L-Arginine HCl, L-Asparagine		
DL-Aspartic acid, L-Cysteine HCl, L-Cystine, L-Glutamic acid, L-Histidine HCl, DL-		
Isoleucine, DL-Leucine, L-Lysine HCl, DL- Methionine, DL-Norleucine, DL-Norvaline,		
DL-Phenylalanine, L-Proline, DL- Serine, DL-Threonine, DL-Tyrosine, DL-Valine.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Variable - kit	Specific Gravity (H ₂ O = 1)	Data not available
Boiling Point (°F)	Decomposes	Percent Volatile by Volume (%)	Data not available
Vapor Pressure (mm Hg)	Variable -kit	Evaporation Rate (Ether =1)	Less than 1.
Vapor Density (Air=1)	Variable -kit		
Solubility in Water	Not specified.		
Appearance & Odor	Each amino acid is a crystalline powder, odor no data.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire or surrounding fire.
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SPECIAL FIREFIGHTING PROCEDURES

In fire condition, 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.

D.O.T. NON-REGULATED.

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