



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. AA 358
Effective Date December 10, 1998

SECTION V HEALTH HAZARD DATA

AA358

Threshold Limited Value

None established by (ACGIH 1992-93).

Effects of Overexposure

INHALATION: May cause respiratory tract irritation. May cause coughing, symptoms similar to a cold. **SKIN:** May cause allergic reactions. **EYES:** Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If discomfort or illness develops, get medical attention. **SKIN:** Flush with water. **INGESTION:** If conscious, give several glasses of water to drink. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Can decompose at temperatures above 85°C.
	Stable		

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and sulfur may also be present.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Vacuum or carefully sweep up and place in a suitable container for disposal. Avoid causing dusty conditions. 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 should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Recommended.	Other
Protective Gloves	Not needed.		Eye Protection
Other Protective Equipment	Goggles, lab coat, eye wash station, ventilation hood.		Chemical safety glasses.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	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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Remove and wash contaminated clothing.

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

Revision	No. 1	Date	12/10/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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	AMYLASE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4
Chemical Synonyms	Bacterial Amylase, Alpha Amylase	
Formula	A mixture of enzymes.	
Unit Size	up to 2.5 kg.	
C.A.S. No.	9000-85-5	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Amylase	100%	None established.
CAUTION! MAY CAUSE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Data not listed.	Specific Gravity (H ₂ O = 1)	Data not listed.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Soluble in water with some turbidity.		
Appearance & Odor	Light brown powder; characteristic odor. Hygroscopic.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Carbon dioxide; dry chemical; water spray.				

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

If material is allowed to become air-borne as dust, explosive conditions may prevail. Avoid conditions which produce dust. Can react with oxidizing materials.

D.O.T. NON-REGULATED.

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