



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

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	X		

Incompatibility (Materials to Avoid)
 Strong oxidizers.

Hazardous Decomposition Products
 Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and sulfur may also be present.

Hazardous Polymerization

May Occur	Will Not Occur	Conditions to Avoid	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.

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)
 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	No.
Mechanical (General)	Recommended.	Other	No.

Protective Gloves Not needed. **Eye Protection** Chemical safety glasses.

Other Protective Equipment
 Goggles, lab coat, eye wash station, ventilation hood.

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.
 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.

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

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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 *	Health	0
Chemical Synonyms	Bacterial Amylase, Alpha Amylase		Fire	0
Formula	A mixture of enzymes.		Reactivity	1
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