



ALDON CORPORATION
A L D O N

MATERIAL SAFETY DATA SHEET

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MSDS No.: AA0358
Effective Date: January 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Amylase
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

 NFPA HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4	CHEMTREC 800-424-9300 Day 585-226-6177	<table border="1"> <tr> <td>Health</td> <td>0</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health	0	Fire	0	Reactivity	0
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Fire	0							
Reactivity	0							
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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	N/A	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.

SECTION V HEALTH HAZARD DATA

AA0358

Threshold Limited Value	None established by (ACGIH 2001).
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. Target organs: None known.

Emergency and First Aid Procedures	INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	X	Conditions to Avoid	Can decompose at temperatures above 85°C.
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	X	Conditions to Avoid	Not applicable.

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.
	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.
Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid prolonged or repeated contact with skin. Remove and wash contaminated clothing.

D.O.T. NON-REGULATED.

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

Revision No. 4	Date 01/01/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
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