



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. CC 227
Effective Date March 30, 1998

SECTION V HEALTH HAZARD DATA

CC 227

Threshold Limited Value

None established.

Effects of Overexposure

May cause skin and eye irritation. Repeated inhalation of enzyme aerosol or dust can cause sensitization to susceptible individual. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. **EYES:** Flush thoroughly with water. If irritation persists, get medical attention. **SKIN:** Flush with soap and water. **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 heat, sparks, flame, and moisture.
	Stable	X		

Incompatibility (Materials to Avoid)	N/A
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Hazardous Decomposition Products	Combustion will produce carbon dioxide and/or carbon monoxide.
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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	Recover for use if not contaminated. Sweep up and place in a suitable container for proper 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. Uncontaminated material may be disposed of in a sanitary landfill or dispose of in an approved incinerator.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory use. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	None required.		Eye Protection	Chemical safety glasses

Other Protective Equipment	Safety glasses, lab coat, fire extinguisher, and eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry area. Preferably 20-25°C (68-77°F). Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Wash thoroughly after handling. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	1	Date	3/30/98	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	CELLULOSE, POWDER	 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	Cellulase enzyme	
Formula	N/A	
Unit Size	up to 2.5 kg	
C.A.S. No.	9012-54-8	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Cellulase	100%	None established.
CAUTION! MAY CAUSE SKIN AND EYE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O = 1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Readily soluble.		
Appearance & Odor	Light tan powder; typical fermentation odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Water; carbon dioxide (CO ₂); dry chemical (ABC).				

SPECIAL FIREFIGHTING PROCEDURES

None known. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dust explosions are possible if material and air are mixed in definite proportions and ignited. Material can burn when exposed to high temperature (flame).

D.O.T. NON-REGULATED.

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