



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. LL 280  
Effective Date March 22, 1999

## SECTION V HEALTH HAZARD DATA

LL 280

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

Specific data is not available. This compound is considered to be of low hazard by ingestion or by contact. Exercise appropriate procedures to minimize potential hazards. **INHALATION:** May cause irritation. **EYES:** No specific hazard is known, however, any material that contacts the eye may be irritating. **SKIN:** May cause irritation and/or allergic reaction. **INGESTION:** May cause irritation of the mouth, throat, esophagus and gastrointestinal tract.

### Emergency and First Aid Procedures

**EYES:** Flush with water for 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with soap and water. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If conscious and able to swallow, have victim drink several glasses of water. Call physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Not effected by heat up to 55°C.

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
--------------------------------------	-----------------------------

Hazardous Decomposition Products	Thermal decomposition or burning emits carbon dioxide and/or carbon monoxide, oxides of nitrogen (NO <sub>x</sub> ) and sulfur (SO <sub>x</sub> ).
----------------------------------	--

Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
Not applicable.	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Sweep up and place in a suitable container for proper disposal. Flush spill area with 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 an approved incinerator equipped with an afterburner and scrubber.

## 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 dust mask.
---------------------------------------	---

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	None needed.	Other	No.

Protective Gloves	Rubber for prolonged exposure.	Eye Protection	Chemical safety glasses.
-------------------	--------------------------------	----------------	--------------------------

Other Protective Equipment	Lab coat, eye wash station, ventilation hood.
----------------------------	---

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in freezer to prolong chemical life. 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.
Do not inhale, ingest or allow material to contact skin or eyes. Remove and wash contaminated clothing.	

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

Revision	No. 4	Date	3/22/99	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	LYSOZYME
Chemical Synonyms	Muramidase, Globulin G
Formula	Complex enzyme (C, H, N, O, S)
Unit Size	1 gram
C.A.S. No.	9001-63-2

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

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

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
------------------------	---	-----------

Lysozyme	100%	None established.
----------	------	-------------------

CAUTION! DO NOT INHALE OR INGEST. AVOID CONTACT.

STORE IN FREEZER. KEEP CONTAINER TIGHTLY CLOSED.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Stable up to 55°C (131°F)	Specific Gravity (H <sub>2</sub> O = 1)	Data not listed.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Very soluble.		
Appearance & Odor	White crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	-----	Upper	-----
---------------------------	---------------------	-------------------------------------	----	-------	-------	-------	-------

Extinguisher Media	Water spray; carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC).
--------------------	---

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce various hazardous hydrocarbons as decomposition products; can react with strong oxidizing materials. As dust, easily ignited by open flame. Will produce explosive flash.

D.O.T. NON-REGULATED.

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