



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. IX 95  
Effective Date July 21, 1998

## SECTION V HEALTH HAZARD DATA

IX 95

**Threshold Limited Value** Not established. (ACGIH 1992-93).

**Effects of Overexposure**  
**INHALATION:** Low hazard in normal handling. Excessive inhalation may cause irritation. **SKIN:** Low hazard in normal handling. May cause allergic reaction. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard, but intentional ingestion or excessive dosage may lead to gastrointestinal irritation.

**Emergency and First Aid Procedures**  
**SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. **INGESTION:** If swallowed, if conscious, give water to drink. Call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

**Stability**  

Unstable		<b>Conditions to Avoid</b>	Excessive temperature and heat.
Stable	X		

**Incompatibility (Materials to Avoid)**  
None known.

**Hazardous Decomposition Products**  
May produce carbon dioxide, carbon monoxide.

**Hazardous Polymerization**  

<b>May Occur</b>	<b>Will Not Occur</b>	<b>Conditions to Avoid</b>	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. Carefully sweep up material and place in a suitable container for proper disposal. Wash spill area with a soap and water solution.

**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 needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

**Ventilation**  

<b>Local Exhaust</b>	Recommended.	<b>Special</b>	No.
<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.

**Protective Gloves** Recommended. **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 oxidizing materials.  
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.  
Avoid contact with skin or eyes. Use with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing.

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

<b>Revision No. 1</b>	<b>Date</b> 7/21/98	<b>Approved</b> 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

<b>Product</b>	INVERTASE	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> 0 1 2 3 4
<b>Chemical Synonyms</b>	N/A	
<b>Formula</b>	N/A	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	9001-57-4	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Invertase	100%	None established.
<b>CAUTION! MAY BE HARMFUL IF INHALED OR SWALLOWED.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Unknown	Evaporation Rate ( =1)	N/A
Vapor Density (Air=1)	Unknown.		
Solubility in Water	Soluble		
Appearance & Odor	White powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Not applicable.	<b>Flammable Limits in Air % by Volume</b>	N/A	Lower	Upper
<b>Extinguisher Media</b>	Water spray; dry chemical; carbon dioxide.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED.

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