



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 70  
Effective Date April 8, 1999

## SECTION V HEALTH HAZARD DATA

PP 70

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

The toxicological properties of this material have not been thoroughly investigated. Prolonged contact with dust may cause respiratory irritation, allergic or asthmatic reactions.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If symptoms of illness develop, get medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists. **SKIN:** Wash skin with soap and water. Get medical attention if any symptoms are present after washing.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature, heat, sparks and flame.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and sulfur may also be present.
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Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

## 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 reclamation or disposal. Avoid raising dust. Ventilate and mop up spill site with detergent 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.
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Small spills: Flush to sewer with large amounts of water.  
Large spills: Dispose of in an approved incinerator.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. An appropriate NIOSH/MSHA-approved respirator for dust should be worn if needed.		
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Ventilation	Local Exhaust	If needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber for sensitive skin.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, eye wash station, ventilation hood, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. May absorb moisture on long-term storage under humidity conditions. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Avoid creating dusty conditions.  
Remove and wash contaminated clothing.

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

Revision No. 6	Date 4/8/99	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	PEPSIN (1:3000)	 <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> HEALTH FIRE REACTIVITY 0 1 0
Chemical Synonyms	Pepsinum	
Formula	Natural Product	
Unit Size	up to 2.5 kg.	
C.A.S. No.	9001-75-6	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Pepsin (1:3000)	100%	None established.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

STORE AWAY FROM FIRE HAZARDS AND STRONG OXIDIZING MATERIALS.

## SECTION III PHYSICAL DATA

Melting Point (°F)	>100°C (>212°F)	Specific Gravity (H <sub>2</sub> O = 1)	N/A
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)	N/A		
Solubility in Water	> 50 g/100 mL.		
Appearance & Odor	White or yellowish powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Combustible dust.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ).				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may cause production of hazardous decomposition products; can react vigorously with oxidizing materials. This material, is capable of creating a dust explosion.

D.O.T. NON-REGULATED.

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