



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 907  
Effective Date May 6, 1999

## SECTION V HEALTH HAZARD DATA

SS907

### Threshold Limited Value

None established. (ACGIH 1992-93)  
Oral-rat LD50: 7360 mg/kg. IP-mouse LD50: 2820 mg/kg.  
Sub-cut-mouse LD50: 2820 mg/kg.

### Effects of Overexposure

**INHALATION:** May cause mild respiratory irritation.  
**EYES:** May cause mild eye irritation.  
**INGESTION:** May cause irritation.  
**SKIN:** May cause skin irritation.

### Emergency and First Aid Procedures

**EYES:** Flush with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush with soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If conscious, rinse mouth with water. Get medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Avoid exposure to sunlight or high temperatures.
	Stable	X		

Incompatibility (Materials to Avoid)	Can react with oxidizing materials.
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Hazardous Decomposition Products	Thermal decomposition may release toxic and/or hazardous gases.
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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	Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid raising dust. With shovel, place material in a suitable container for disposal by incineration. 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.
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Dispose of in an approved chemical landfill or contract with a licensed waste disposal service.

## 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.		
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Safety glasses, lab coat, eye wash station, proper gloves, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Avoid breathing dust. Should be stored at temperatures below 40°C (104°F). Protect from light. Keep container tightly closed when not in use. 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 contact with skin or eyes. Use with adequate ventilation. Remove and wash contaminated clothing.

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

Revision No. 3	Date 5/6/99	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	Sorbic Acid	 <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	Health	0
Chemical Synonyms	2,4-Hexadienoic acid		Fire	1
Formula	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>		Reactivity	1
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	110-44-1			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sorbic acid	100%	None established.

**CAUTION! MAY CAUSE SKIN,**

**EYE AND RESPIRATORY IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	135°-137°C (275°-278°F)	Specific Gravity (H <sub>2</sub> O = 1)	No data.
Boiling Point (°F)	Decomposes at 228°C (442°F)	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	0.01 mm @ 20°C (68°F)	Evaporation Rate ( =1)	Not applicable.
Vapor Density (Air=1)	3.87		
Solubility in Water	Slight.		
Appearance & Odor	White, fluffy, crystalline powder; mildly acrid odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	127°C (260°F) COC	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Solutions resulting from quenching fires may, if in contact with reactive metals, release hydrogen.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Sorbic acid as a solid, dust, liquid or vapor is combustible and under some conditions can form explosive mixtures with air.

D.O.T. NON-REGULATED.

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