



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. ZZ 40  
Effective Date November 20, 1998

## SECTION V HEALTH HAZARD DATA

ZZ 40

**Threshold Limited Value** None established by (ACGIH).  
Toxicity: LD50 Oral, Rat, 2460 mg/kg.

**Effects of Overexposure** Mild irritant to skin, eyes and mucous membranes. **INHALATION:** Irritation to mucous membranes, stomach pain, lethargy, dizziness. **INGESTION:** May cause severe gastrointestinal irritation with fever, nausea, vomiting, stomach cramps and diarrhea.

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

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	May burn but does not ignite readily. Excessive heat, sparks or open flames.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Zinc salts in general. Acacia, alkalies and their carbonates, oxalates, phosphates, sulfides, limewater, strong oxidants.

**Hazardous Decomposition Products** Emits acrid smoke and zinc metal as fume, dust or oxides when heated to decomposition.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	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 making dust. Sweep up and place in a suitable container for disposal. Flush spill area with water. Do not allow wash water to pollute water ways and streams.

**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 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.

<b>Ventilation</b>	<b>Local Exhaust</b>	If dusty.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	If dusty.	<b>Other</b>	Adequate to maintain below exposure limit.

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Lab coat, proper gloves, eye wash station, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from oxidizing materials. 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 breathe dust. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 5	<b>Date</b> 11/20/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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>	ZINC ACETATE	 <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 1 Fire 0 Reactivity 0
<b>Chemical Synonyms</b>	Acetate Salt of Zinc	
<b>Formula</b>	Zn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> •2H <sub>2</sub> O	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	5970-45-6	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Zinc Acetate	100%	None established.

**CAUTION! MILD IRRITANT TO SKIN, EYES AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	237°C (459°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.735
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<b>Boiling Point (°F)</b>	Losses 2H <sub>2</sub> O @ 100°C (212°F)	<b>Percent Volatile by Volume (%)</b>	Non-volatile.
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<b>Vapor Pressure (mm Hg)</b>	Negligible as solid.	<b>Evaporation Rate ( =1)</b>	Not applicable.
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<b>Vapor Density (Air=1)</b>	Data not listed.
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<b>Solubility in Water</b>	1 gram dissolves in 2.3 mL. water.
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<b>Appearance &amp; Odor</b>	White crystalline plates or granules; slight acetous odor.
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## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Not flammable.	<b>Flammable Limits in Air % by Volume</b>	NA	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Use any means suitable for extinguishing surrounding fire.

## SPECIAL FIREFIGHTING PROCEDURES

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

**FIRE:** Not considered to be a fire hazard.  
**EXPLOSION:** Not considered to be an explosion hazard.  
Emits acrid smoke and zinc metal as fume and oxides when heated to decomposition.

D.O.T. **NON-REGULATED.**

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