



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. LL 230
Effective Date March 22, 1999

SECTION V HEALTH HAZARD DATA

LL 230

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

INHALATION: Low hazard for usual laboratory handling. Excessive dust may cause irritation if inhaled. **SKIN:** Low hazard for usual laboratory handling. Contact may cause irritation. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** May cause irritation of mouth, throat, esophagus and gastrointestinal tract.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. **SKIN:** Flush 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. If irritation develops or persists, get medical attention. **INGESTION:** If swallowed, if conscious, drink several glasses of water. Call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature or heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizing agents.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide and oxides of sulfur.
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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. With shovel, place material in a suitable container for proper disposal. 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. Dispose of in an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal agency.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed for normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask.		
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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	Eye wash station, lab coat, proper gloves.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from strong oxidizing agents. 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. Do not breathe dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 3/22/99	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	LITMUS (pH INDICATOR)	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 1 Fire 0 Reactivity 1
Chemical Synonyms	7-Hydroxy-2-phenoxazone	
Formula	Data not available.	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	1393-92-6	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Litmus (pH Indicator)	100%	None established.

CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED

OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes on heating.	Specific Gravity (H ₂ O = 1)	None listed.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	H ₂ O-1-2%
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Partly soluble in water.		
Appearance & Odor	Blue to dark blue, powder, granules; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing surrounding fire.
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SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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