



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. NN 40
Effective Date June 4, 1998

SECTION V HEALTH HAZARD DATA

NN 40

Threshold Limited Value None established by (ACGIH 1992-93).
TXDS: Oral-rat LD50: 2300 mg/kg. IRDS: eye-rbt 1 mg SEV.

Effects of Overexposure Oral ingestion of large quantities may cause nephritis, lens opacity, vomiting and diarrhea, abdominal pain, circulatory collapse, convulsions, hemolytic anemia, death. Fatal poisoning from external application has been reported. **CAUTION!** Local action may produce peeling of the skin which may be followed by persistent pigmentation. Causes skin and eye burns.

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

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from light, excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Sublimable; volatile with steam. Darkens on exposure to light. Strong oxidizing materials. Strong bases, halogenated materials, acid chlorides, acid anhydrides.

Hazardous Decomposition Products Thermal decomposition will emit toxic fumes of carbon monoxide and/or carbon dioxide.

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 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 accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, or at elevated temperatures work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	Adequate to maintain below exposure limit.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Goggles, lab coat, apron, proper gloves, 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 and protect from light. 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 get in eyes, on skin or clothing. Avoid breathing dust. Remove and wash contaminated clothing.

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

Revision No. 4	Date 6/4/98	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	1-NAPHTHOL	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>3</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	1	Reactivity	1
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	3																	
Fire	1																	
Reactivity	1																	
Chemical Synonyms	alpha-Naphthol																	
Formula	C ₁₀ H ₇ OH																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	90-15-3																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
1-Naphthol	100%	None established.
WARNING! HARMFUL IF INHALED, SWALLOWED		
OR ABSORBED THROUGH SKIN. CAUSES SKIN,		
EYE AND RESPIRATORY TRACT IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	96°C (205°F)	Specific Gravity (H ₂ O = 1)	1.1 at 25°C (77°F)
Boiling Point (°F)	288°C (550°F)	Percent Volatile by Volume (%)	Sublimes slowly.
Vapor Pressure (mm Hg)	1 mm at 94.0°C	Evaporation Rate (n-Butyl Ac. =1)	Negligible.
Vapor Density (Air=1)	4.5 (120°C)		
Solubility in Water	Slightly soluble.		
Appearance & Odor	Off-white crystalline solid; Phenol-like odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	153°C (307°F) OC	Flammable Limits in Air % by Volume	Lower	Upper
			0.8	5

Extinguisher Media Water spray; carbon dioxide (CO₂); dry chemical (ABC).

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not use high pressure water stream. Air-borne dust creates an explosion hazard.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire hazard slight. When heated, it emits toxic, corrosive fumes; can react vigorously with oxidizing materials. Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

D.O.T. NON-REGULATED.

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