



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. NN 50  
Effective Date April 1, 1999

## SECTION V HEALTH HAZARD DATA

NN 50

**Threshold Limited Value** None established by (ACGIH 1992-93). TXDS: Oral-rabbit LD50: 3800 mg/kg. IRDS: eye-rbt 100 mg MOD, orl-rat LD50 1960 mg/kg.

**Effects of Overexposure** **TARGET ORGANS AFFECTED:** Liver, kidneys, central nervous system. Oral ingestion of large quantities may cause nephritis, lens opacity, vomiting and diarrhea, abdominal pain, circulatory collapse, convulsions, hemolytic anemia, kidney infection, liver injury, 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.

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

## SECTION VI REACTIVITY DATA

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

**Incompatibility (Materials to Avoid)** Sublimable; volatile with steam. Darkens on exposure to light. Strong oxidizing materials.

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

**Hazardous Polymerization** **Conditions to Avoid** **May Occur** **Will Not Occur** Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Wearing suitable protective clothing, sweep material onto paper. Place in a suitable container for disposal by incineration. Wash spill area well with soap and water.

**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 or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None should be needed in normal laboratory handling. If dusty conditions 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** No.

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

**Other Protective Equipment** Goggles, lab coat, apron, proper gloves, eye wash station.

## 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, on clothing. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

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

**Revision** No. 4 **Date** 4/1/99 **Approved** Michael Raszeja **Chemical Safety Coordinator** MR

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>	2-NAPHTHOL
<b>Chemical Synonyms</b>	Beta-Naphthol, 2-Hydroxynaphthalene
<b>Formula</b>	C <sub>10</sub> H <sub>7</sub> OH
<b>Unit Size</b>	up to 500 grams
<b>C.A.S. No.</b>	135-19-3

CHEMTREC  
800-424-9300  
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NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health 2  
Fire 1  
Reactivity 0

HMIS \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

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

## SECTION III PHYSICAL DATA

Melting Point (°F)	124°C (255°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.22 at 20°C
Boiling Point (°F)	285°C (545°F)	Percent Volatile by Volume (%)	Sublimes slowly.
Vapor Pressure (mm Hg)	10 mm at 145.5°C	Evaporation Rate (≈1)	Data not listed.
Vapor Density (Air=1)	4.97		
Solubility in Water	0.1 gram per 100 mL. water at 20°C.		
Appearance & Odor	White to yellowish-white crystals; slight phenolic odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	153°C (307°F) C.C.	<b>Flammable Limits in Air % by Volume</b>	Lower	Upper
<b>Extinguisher Media</b>	Carbon dioxide (CO <sub>2</sub> ); dry chemical; alcohol foam.			

## 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.

Ignition Temperature: 545°C (1012°F)

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire hazard slight. When heated, it emits toxic 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