



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 349
Effective Date September 28, 1998

SECTION V HEALTH HAZARD DATA

AA 349

Threshold Limited Value None established. RTECS No. SB9800000
Toxicity data: LD50 oral-rat: 2200 mg/kg.

Effects of Overexposure
EYES: Can cause severe irritation, redness, tearing, blurred vision. **SKIN:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. **INHALATION:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, and even asphyxiation. **Narcotic.** **INGESTION:** Aspiration hazard. Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Emergency and First Aid Procedures
SKIN: Wash thoroughly with soap and water. **EYES:** Flush with large amounts of water, lifting upper and lower eyelids occasionally, get medical attention. **INGESTION:** Do NOT induce vomiting. If conscious, give two glasses of water. Call physician. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat, spark, flame.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizing agents.

Hazardous Decomposition Products Thermal decomposition or burning may produce 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 Remove all ignition sources. Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to ventilation hood.

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) Work in ventilation hood. Where high concentrations of vapor exists wear a NIOSH/MSHA-approved all-purpose canister.

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

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

Other Protective Equipment Safety glasses, lab coat or apron, vented hood, proper gloves, fire extinguisher, eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well-ventilated area away from heat, sparks or flame. 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.

Avoid contact with skin, eyes and mucous membranes. Use 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. 4	Date 9/28/98	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

Product	n-AMYL ALCOHOL	<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>2</td> </tr> <tr> <td>Fire</td> <td>2</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	2	Fire	2	Reactivity	1
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	2																	
Fire	2																	
Reactivity	1																	
Chemical Synonyms	1-Pentanol, Pentyl Alcohol																	
Formula	CH ₃ (CH ₂) ₃ CH ₂ OH																	
Unit Size	up to 20 Lt.																	
C.A.S. No.	71-41-0																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
n-Amyl Alcohol	100%	None established.
WARNING! FLAMMABLE! HARMFUL IF SWALLOWED.		
CAUSES SKIN AND EYE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	-79°C (-110°F)	Specific Gravity (H ₂ O = 1)	0.813 @ 68°F (20°C)
Boiling Point (°F)	133.0°C (271.4°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	2 mm @ 68°F (20°C)	Evaporation Rate (Butyl Acetate =1)	0.23
Vapor Density (Air=1)	3.04		
Solubility in Water	Slightly soluble in water (2.7 g/100 mL. at 22°C).		
Appearance & Odor	Clear, water white liquid; mild characteristic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	91°F (33°C) cc	Flammable Limits in Air % by Volume	Lower 1.2%	Upper 10%
----------------------------------	----------------	--	------------	-----------

Extinguisher Media Alcohol foam; carbon dioxide (CO₂); dry chemical (ABC).

SPECIAL FIREFIGHTING PROCEDURES In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

Autoignition Temperature: 300°C (572°F).

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 129)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Moderate fire hazard, when exposed to heat or flame; when heated, it emits acrid fumes, can react with oxidizing materials. Moderate explosion hazard when exposed to flame.

D.O.T. AMYL ALCOHOLS, 3, UN 1105, PG III

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