



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 56
Effective Date January 14, 1999

SECTION V HEALTH HAZARD DATA AA 56

Threshold Limited Value None established (ACGIH 1992-93).

Effects of Overexposure
SKIN: Corrosive. **EYES:** Corrosive (may cause blindness) Lachrymator. Causes burns. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. **INHALATION:** High concentrations of vapors can cause lung irritation. May be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Emergency and First Aid Procedures
INGESTION: Do NOT induce vomiting. If conscious, give one or two glasses of water or milk. Get immediate medical attention. Never give anything by mouth to an unconscious person. **SKIN:** Immediately flush with soap and water. Remove contaminated clothing and laundry. Get medical attention. **EYES:** Immediately flush with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **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	Heat, flames, sparks, ignition sources, contamination. Moisture.
	Stable	X		

Incompatibility (Materials to Avoid) Avoid water, alcohols, oxidizing agents and strong bases.

Hazardous Decomposition Products Hydrogen chloride, phosgene, Carbon monoxide, 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 Evacuate area. Ventilate area. Wear suitable protective clothing. Absorb with inert material. Scoop up and place in container for proper disposal. Wash spill site after material pickup is complete.

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 federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) Wear a NIOSH/MSHA-approved respirator.

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

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

Other Protective Equipment Goggles, face shield, lab coat, apron, proper gloves, eye wash station, safety shower, ventilation hood, rubber boots.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Wash thoroughly after handling. Store in a cool dry area. Do not store near combustibles. Keep away from heat, sparks or flame. 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.

Remove and wash contaminated clothing. Do not get in eyes, on skin or clothing. Use with adequate ventilation.

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

Revision No. 2	Date 1/14/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employees 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	ADIPOYL CHLORIDE	<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>2</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	2	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
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Chemical Synonyms	Adipoyl chloride																	
Formula	C ₆ H ₈ Cl ₂ O ₂																	
Unit Size	up to 4 Lt.																	
C.A.S. No.	111-50-2																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Adipoyl Chloride	100%	None established.

DANGER! CORROSIVE! WATER REACTIVE. LACHRYMATOR. MAY CAUSE

BURNS. MAY BE HARMFUL IF SWALLOWED. VAPOR HARMFUL.

SECTION III PHYSICAL DATA

Melting Point (°F)	NA	Specific Gravity (H ₂ O = 1)	1.25 @ 85°C
Boiling Point (°F)	106°C (222°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	2 mm at 20°C	Evaporation Rate (=1)	NA
Vapor Density (Air=1)	NA		
Solubility in Water	Not applicable (reacts with water).		
Appearance & Odor	Slightly yellow liquid; pungent odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	110°F (230°C)	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Carbon dioxide (CO₂); dry chemical (ABC); foam.

SPECIAL FIREFIGHTING PROCEDURES In fire conditions, wear a NIOSH/MSHA - approved self-contained breathing apparatus and full protective clothing. If large amount is involved, evacuate area and fight fire from safe distance. Use water spray to cool containers, but avoid getting water inside. Reacts violently with water.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

D.O.T. Corrosive liquids, n.o.s., (Adipoyl chloride), 8, UN 1760 PG II

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