



MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 120
Effective Date July 6, 1998

SECTION V HEALTH HAZARD DATA

SS 120

Threshold Limited Value

None established (ACGIH 1992-93).
TOXICITY: Hydrogen Chloride C 5 ppm; C 7 mg/m³ (AIR).

Effects of Overexposure

SKIN: Corrosive. **EYES:** Corrosive (may cause blindness) Lachrymator. **DANGER!** Causes burns. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. **LUNG EFFECTS:** High concentrations of vapors can cause lung irritation. Inhalation 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. Get **EMERGENCY** medical attention. **SKIN:** IMMEDIATELY flush with soap and water. Remove contaminated clothing and launder. Get medical attention. **EYE CONTACT:** 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	X	Conditions to Avoid	Heat, flames, sparks, ignition sources, contamination.
	Stable			

Incompatibility (Materials to Avoid)	Avoid water, alcohols, phenols, humid atmosphere and amines.
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Hazardous Decomposition Products	Primarily Hydrochloric acid. Hydrolyzed by moisture forming Hydrogen Chloride.
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Hazardous Polymerization	Conditions to Avoid	
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Evacuate area. Ventilate area. Neutralize with soda ash or lime, sweep or scoop up using non-sparking tools and dispose of promptly. Wash spill site after material pickup is complete. Wear self-contained breathing apparatus, rubber boots and heavy gloves.
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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. This material should be ignited in the presence of sodium carbonate and slaked lime (calcium hydroxide). The substance should be mixed with vermiculite and dry caustic, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Wear a NIOSH/MESA-approved can or cartridge gas or vapor, self-contained, supplied air.		
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Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Yes.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, face shield, lab coat, apron, proper gloves, eye wash station, safety shower, ventilation hood, rubber boots.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Wash thoroughly after handling. Do not get in eyes, on skin or clothing. Do not store near combustibles. Empty containers may contain hazardous residues. Keep away from heat, sparks or flame. Store in a tightly closed container. Do not reuse container.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Remove and wash contaminated clothing.
Do not allow contact with water or high humidity.

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

Revision No. 6	Date 7/6/98	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	SEBACOYL 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>0</td> </tr> <tr> <td>Reactivity</td> <td>2</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	0	Reactivity	2
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
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Chemical Synonyms	Sebacyl Chloride																	
Formula	CICO(CH ₂) ₈ COCl																	
Unit Size	up to 4 Lt.																	
C.A.S. No.	111-19-3																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sebacyl Chloride	93-95%	None established.
Hydrochloric Acid: (CAS No. 7647-01-0)	1-3%	C 5 ppm, C 7 mg/m ³ (Air)
Sebacic: (CAS No. 111-20-6)	1.3%	None established.

DANGER! CORROSIVE! WATER REACTIVE. LACHRYMATOR. MAY CAUSE BURNS. MAY BE HARMFUL IF SWALLOWED. VAPOR HARMFUL.

SECTION III PHYSICAL DATA

Melting Point (°F)	Below 25°C (77°F)	Specific Gravity (H ₂ O = 1)	1.122
Boiling Point (°F)	220°C (428°F) at 75 mm	Percent Volatile by Volume (%)	Not evaluated.
Vapor Pressure (mm Hg)	75 mm at 220°C	Evaporation Rate (Ethyl Ether = 1)	Less than 1.
Vapor Density (Air=1)	8.25		
Solubility in Water	Not applicable (reacts with water).		
Appearance & Odor	Clear to orange liquid; pungent odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	235°F (112°C)	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Carbon dioxide (CO ₂); dry chemical (ABC); foam.
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SPECIAL FIREFIGHTING PROCEDURES

If large amount is involved, evacuate area and fight fire from safe distance. Use water 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

Contamination, temperature - can decompose with force if confined during exposure to fire. Corrosive fumes.

D.O.T. CORROSIVE LIQUIDS, N.O.S., (SEBACOYL CHLORIDE), 8, UN 1760, PG II

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