

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 682.00

Revision Date: September 28, 2011

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sebacoyl Chloride

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Sebacoyl Chloride

Synonyms: Sebacoyl chloride, Decanedioyl chloride

CAS#: 111-19-3

### SECTION 3 — HAZARDS IDENTIFICATION

Clear to yellow-tan liquid. Suffocating acrid odor.

Lachrymator. Toxic by ingestion, inhalation, and skin absorption. Severely corrosive to body tissues.

Avoid all body tissue contact.

Reacts violently with water.

#### FLINN AT-A-GLANCE

Health-3

Flammability-0

Reactivity-2

Exposure-3

Storage-0

0 is low hazard, 3 is high hazard

### SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Do NOT induce vomiting. Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable liquid.

When heated to decomposition, may emit chlorine.

**Fire Fighting Instructions:** Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

None

established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Remove all ignition sources and water. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides, and peracids.

Moisture sensitive material. Store in a cool dry place. Use and dispense in a hood.

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear to yellow-tan liquid; very disagreeable odor; lachrymator.  
Solubility: Hydrocarbons and ether; decomposes slowly in water.  
Formula:  $\text{ClOC}(\text{CH}_2)_4\text{COCl}$   
Formula weight: 239.14

Melting point:  $-1.3\text{ }^{\circ}\text{C}$   
Boiling point:  $168\text{ }^{\circ}\text{C}$   
Refractive index: 1.4684  
Specific gravity: 1.1212

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with water, alcohols, oxidizers, strong bases.  
Shelf life: Poor.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Corrosive, lachrymator  
Chronic effects: N.A.  
Target organs: N.A.

ORL-RAT  $\text{LD}_{50}$ : N.A.  
IHL-RAT  $\text{LC}_{50}$ : N.A.  
SKN-RBT  $\text{LD}_{50}$ : N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply, before proceeding.  
Flinn Suggested Disposal Method #1a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated  
Hazard class: N/A  
UN number: N/A  
N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (203-843-4), RCRA code D002, D003.

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**