

MSDS# 45355

Section 1 - Chemical Product and Company Identification

MSDS Name: Sebacoyl chloride

Catalog AC294900000, AC294900500, AC294902500, AC294905000, AC419260000, AC419260250

Numbers: AC419260250, AC419261000

Synonyms: Sebacyl chloride; Decanedioyl dichloride.

Company Identification: Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 201-796-7100

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#: 111-19-3
Chemical Name: Sebacoyl chloride
%: 92+
EINECS#: 203-843-4

Hazard Symbols: C



Risk Phrases: 20/21/22 29 34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Harmful if swallowed, inhaled, or absorbed through the skin. Causes burns by all exposure routes. Contact with water liberates toxic gas. Target Organs: Respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects

Eye: Causes eye burns. Lachrymator (substance which increases the flow of tears).

Skin: Harmful if absorbed through the skin. Causes skin burns.

Ingestion: Harmful if swallowed. Causes gastrointestinal tract burns.

Inhalation: Harmful if inhaled. Causes chemical burns to the respiratory tract.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Repeated exposure may cause erosion of teeth.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to
Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water reactive. Material will react with water and may release a flammable and/or toxic gas.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide. **DO NOT USE WATER!**

Autoignition Temperature: Not applicable.

Flash Point: > 112 deg C (> 233.60 deg F)

Explosion Limits: Not available

Lower:

Explosion Limits: Not available

Upper:

NFPA Rating: ; **Special Hazard:** -W-

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation. Do not expose spill to water. Do not get water inside containers. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Do not allow water to get into the container because of violent reaction. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Do not allow contact with water. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store protected from moisture. Store under nitrogen.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sebacoyl chloride	none listed	none listed	none listed

OSHA Vacated PELs: Sebacoyl chloride: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Color: light yellow

Odor: irritating odor

pH: Not available

Vapor Pressure: 75 mm Hg @ 220 deg C

Vapor Density: 8.25 (air=1)

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 220 deg C @ 75 mm Hg (428.00°F)

Freezing/Melting Point: -2.5 deg C (27.50°F)

Decomposition Temperature: Not available

Solubility in water: May decompose

Specific Gravity/Density: 1.121

Molecular Formula: C10H16Cl2O2

Molecular Weight: 239.14

Section 10 - Stability and Reactivity

Chemical Stability:	Moisture sensitive. Material hydrolyzes in contact with moisture/water releasing toxic and corrosive fumes of hydrogen chloride and aqueous hydrochloric acid.
Conditions to Avoid:	Incompatible materials, exposure to moist air or water.
Incompatibilities with Other Materials	Oxidizing agents, strong acids, bases, alcohols.
Hazardous Decomposition Products	Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 111-19-3: HD8454250
	RTECS:
LD50/LC50:	CAS# 111-19-3: Dermal, guinea pig: LD50 = 50 uL/kg; Draize test, rabbit, eye: 45 uL Severe; Oral, mouse: LD50 = >1600 mg/kg; Oral, rat: LD50 = 400 mg/kg;
Carcinogenicity:	Sebacoyl chloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: CORROSIVE LIQUIDS, TOXIC, N.O.S.

Hazard Class: 8

UN Number: UN2922

Packing Group: II

Canada TDG

Shipping Name: WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. (SEBACOYL CHLORIDE)

Hazard Class: 4.3

UN Number: UN3129

Packing Group: II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 29 Contact with water liberates toxic gas.

R 34 Causes burns.

Safety Phrases:

S 8 Keep container dry.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 111-19-3: Not available

Canada

CAS# 111-19-3 is listed on Canada's DSL List

Canadian WHMIS Classifications: E, D1B, B6

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 111-19-3 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 111-19-3 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #8 Date 4/22/2008

Revisions were made in Sections: 14

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