

# Material Safety Data Sheet

## Sebacoyl Chloride, Tech. 90-95% Active Chlorine

ACC# 96581

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Sebacoyl Chloride, Tech. 90-95% Active Chlorine

**Catalog Numbers:** AC294900000, AC294902500, AC294905000

**Synonyms:** Sebacyl Chloride

**Company Identification:**

Acros Organics N.V.

One Reagent Lane

Fair Lawn, NJ 07410

**For information in North America, call:** 800-ACROS-01

**For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Composition, Information on Ingredients

| CAS#      | Chemical Name     | Percent | EINECS/ELINCS |
|-----------|-------------------|---------|---------------|
| 111-19-3  | Sebacoyl Chloride | 90-95   | 203-843-4     |
| 7732-18-5 | Water             | Balance | 231-791-2     |

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: clear brown liquid.

**Danger!** Corrosive. Causes eye and skin burns. Causes digestive and respiratory tract burns. Harmful if swallowed. Lachrymator (substance which increases the flow of tears).

**Target Organs:** Respiratory system, eyes, skin.

#### Potential Health Effects

**Eye:** Contact with liquid is corrosive to the eyes and causes severe burns. Lachrymator (substance which increases the flow of tears).

**Skin:** Contact with liquid is corrosive and causes severe burns and ulceration.

**Ingestion:** Harmful if swallowed. May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns.

**Inhalation:** 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:** Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

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

**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**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 breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**Notes to Physician:** Treat symptomatically and supportively.

### 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode if exposed to fire.

**Extinguishing Media:** Use foam, dry chemical, or carbon dioxide.

**Flash Point:** 110 deg C ( 230.00 deg F)

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:**Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 3; Flammability: 1; Instability: 1

### Section 6 - Accidental Release Measures

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

**Spills/Leaks:** Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not

use combustible materials such as sawdust. Provide ventilation.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Use with adequate ventilation. Discard contaminated shoes.

**Storage:** Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area. Store protected from moisture.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

| Chemical Name     | ACGIH       | NIOSH       | OSHA - Final PELs |
|-------------------|-------------|-------------|-------------------|
| Sebacoyl Chloride | none listed | none listed | none listed       |
| Water             | none listed | none listed | none listed       |

**OSHA Vacated PELs:** Sebacoyl Chloride: No OSHA Vacated PELs are listed for this chemical. Water: No OSHA Vacated PELs are listed for this chemical.

### 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 minimize contact with skin.

**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:** Liquid

**Appearance:** clear brown

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** 12 mm Hg

**Vapor Density:** 8.24

**Evaporation Rate:**Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:**-2.5 deg C

**Decomposition Temperature:**Not available.

**Solubility:** Decomposed by water

**Specific Gravity/Density:**1.12

**Molecular Formula:**ClCO(CH<sub>2</sub>)<sub>8</sub>COCl

**Molecular Weight:**239.0168

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, moisture, 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:** Has not been reported.

## Section 11 - Toxicological Information

### RTECS#:

**CAS#** 111-19-3: HD8454250

**CAS#** 7732-18-5: ZC0110000

### 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;

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

### Carcinogenicity:

CAS# 111-19-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information found  
**Teratogenicity:** No information found  
**Reproductive Effects:** No information found  
**Mutagenicity:** No information found  
**Neurotoxicity:** No information found  
**Other Studies:**

## Section 12 - Ecological Information

No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information

|                       | US DOT                                    | Canada TDG                               |
|-----------------------|-------------------------------------------|------------------------------------------|
| <b>Shipping Name:</b> | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. | CORROSIVE LIQUID NOS (SEBACOYL CHLORIDE) |
| <b>Hazard Class:</b>  | 8                                         | 8                                        |
| <b>UN Number:</b>     | UN3265                                    | UN1760                                   |
| <b>Packing Group:</b> | II                                        | II                                       |

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

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

CAS# 7732-18-5 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

#### SARA Codes

CAS # 111-19-3: immediate, reactive.

#### Section 313

No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 111-19-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

### California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

#### Hazard Symbols:

C

#### Risk Phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

**Safety Phrases:**

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: No information available.  
CAS# 7732-18-5: No information available.

**Canada - DSL/NDSL**

CAS# 111-19-3 is listed on Canada's DSL List.  
CAS# 7732-18-5 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of E, F.

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.

**Canadian Ingredient Disclosure List**

|                                     |
|-------------------------------------|
| Section 16 - Additional Information |
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**MSDS Creation Date:** 5/06/1998

**Revision #3 Date:** 3/07/2005

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