

# (R)-Butyryl Carnitine Chloride: sc-362010



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

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### Section 1 - General Information

**Chemical Name:**

(R)-Butyryl Carnitine Chloride

**CAS Reg. Number:**

162067-50-7

**Catalog Number:**

sc-362010

**Supplier:**

Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800

**Emergency:**

ChemWatch

Within the US & Canada: 877-715-9305

Outside the US & Canada: +800 2436 2255  
(1-800-CHEMCALL) or call +613 9573 3112

### Section 2 - Hazardous Ingredients/Identity Information

The toxicological properties have not been thoroughly investigated. Exercise due care.

**Emergency Overview:**

**Target Organs:** Gastrointestinal tract

**HMIS:**

**HEALTH:** 2  
**FLAMMABILITY:** 0  
**REACTIVITY:** 0

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Form:**

Solid

**Vapor Pressure:**

N/A

**Specific Gravity(H<sub>2</sub>O=1):**

N/A

**Molecular Formula:**

C<sub>11</sub>H<sub>22</sub>ClNO<sub>4</sub>

**Solubility in Water:**

Yes

**Melting Point:**

163 - 165° C

**Evaporation Rate (ButylAcetate=1):**

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

267.75

### Section 4 - Reactive Data

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizing agents

**Conditions to Avoid:**

Strong oxidizing agents

**Hazardous Decomposition or Byproducts:**

**Toxic fumes of:** carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas

**Hazardous Polymerization:** will not occur

## Section 5 - Control Measures

### Respiratory Protection:

Niosh/Msha approved respirator

### Protective Gloves:

Chemical resistant gloves

### Other Protective Clothing:

Lab coat or apron

### Ventilation:

Hood

### Eye Protection:

chemical safety goggles

### Other Protection:

safety shower and eye bath

## Section 6 - First Aid Measures

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Skin:** Immediately flush skin with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician. Remove and wash contaminated clothing immediately.

**Eyes:** Immediately flush eyes with copious amounts of water for at least 15 min. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## Section 7 - Health Hazard Data

### Health Hazards (Acute and Chronic):

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.

### ROUTE OF EXPOSURE

**Skin Contact:** May cause skin irritation.

**Skin Absorption:** May be harmful if absorbed through the skin.

**Eye Contact:** May cause eye irritation.

**Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Ingestion:** May be harmful if swallowed. A potential prodrug, via the carnitine transporter OCTN2 and the amino acid transporter ATBO,+.

### Medical Conditions Generally Aggravated by Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 8 - Precautions for Safe Handling and Use

### Steps to be Taken in Case Material is Released or Spilled:

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

### Waste Disposal Method:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

### Precautions to Be Taken in Handling and Storage:

Keep tightly closed. Store in a cool dry place. Possible mutagen. Irritant. Store at -20° C.

## Section 9 - Fire and Explosion Hazard Data

### Extinguishing Media:

Water spray. Carbon Dioxide, dry chemical powder or appropriate foam.

### Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Unusual Fire and Explosion Hazards:

Emits Toxic fumes under fire conditions.

## Section 10 - Transportation Information and regulatory information

### DOT

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

**IATA**

**Non-Hazardous for Air Transport:** Non-hazardous for air transport.

***The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.***

6/18/2012