

# Ethyl (S)-2-(Benzyloxy)propionate: sc-211437



## MATERIAL SAFETY DATA SHEET

The Power to Question

### Section 1 - General Information

**Chemical Name:**

Ethyl (S)-2-(Benzyloxy)propionate

**CAS Reg. Number:**

54783-72-1

**Catalog Number:**

sc-211437

**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 tested, exercise due care.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

90-96°C/0

**Form:**

Oil

**Vapor Pressure:**

N/A

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

N/A

**Molecular Formula:**

C<sub>12</sub>H<sub>16</sub>O<sub>3</sub>

**Solubility in Water:**

N/A

**Melting Point:**

N/A

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

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

208.25

### Section 4 - Reactive Data

**Stability:**

Good

**Incompatibility (Materials to Avoid):**

Strong oxidizers

**Conditions to Avoid:**

Strong oxidizers

**Hazardous Decomposition or Byproducts:**

Toxic fumes of Carbon monoxide, carbon dioxide

**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:**

Fume 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 CPR. If breathing is difficult, give oxygen.

### **Skin:**

Wash with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

### **Ingestion:**

If swallowed wash out mouth with water, provided person is conscious. Call a physician. Discard contaminated clothing.

### **Eyes:**

Flush eyes with copious amounts of water for at least 15 minutes. Flushing of the eyes by separating eyelids with fingers.

## ***Section 7 - Health Hazard Data***

### **Health Hazards (Acute and Chronic):**

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

**Ingestion:** May be harmful if swallowed.

#### **SIGNS AND SYMPTOMS OF EXPOSURE**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Used in the process for preparation of optically active 2-hydroxypropoxyaniline derivatives as intermediates for Levofloxacin via enzymic or microbial stereoselective hydrolysis of racemic lactic acid ester.

#### **Medical Conditions Generally Aggravated by Exposure:**

THE 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. Ventilate area and wash spill site after material pickup is complete.

### **Waste Disposal Method:**

Burn in a Chemical Incinerator equipped with an Afterburner & Scrubber. Observe all Federal, State & Local Laws when disposing of any waste.

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

Keep tightly closed. Handle & store under nitrogen. Moisture sensitive. Store at -20° C, avoid repeated exposure.

Keep away from combustible materials, heat sparks & open flame. Wash thoroughly after handling. Do not breathe vapor.

## ***Section 9 - Fire and Explosion Hazard Data***

### **Extinguishing Media:**

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. Possibility of explosion

***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.***

8/24/2011