

# 3-[(tert-Butyldimethylsilyl)oxy]-1-propanal: sc-209499



*The Power to Question*

## Material Safety Data Sheet

### Section 1 - General Information

**Chemical Name:**

3-[(tert-Butyldimethylsilyl)oxy]-1-propanal

**CAS Reg. Number:**

89922-82-7

**Catalog Number:**

sc-209499

**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 of this compound have not been thoroughly investigated. Exercise due care.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Appearance and Odor:**

Brown oil

**Vapor Pressure:**

N/A

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

N/A

**Solubility in Water:**

N/A

**Melting Point:**

N/A

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

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

188.34

**Molecular Formula:**

C<sub>9</sub>H<sub>20</sub>O<sub>2</sub>Si

### Section 4 - Reactive Data

**Stability:**

good

**Incompatibility (Materials to Avoid):**

Strong bases Strong oxidizers

**Conditions to Avoid:**

Strong oxidizing agents

**Hazardous Decomposition or Byproducts:**

Carbon monoxide, carbon dioxide

**Hazardous Polymerization:**

will not occur

### Section 5 - Control Measures

**Respiratory Protection:**

Niosh/Msha approved respirator

**Ventilation:**

Fume Hood

**Protective Gloves:**

chemical resistant gloves

**Eye Protection:**

safety goggles

**Other Protective Clothing:**

lab coat, apron

**Other Protection:**

Safety shower and eyewash

## **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: Causes skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: Causes eye irritation. Inhalation: Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed. THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

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

THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. Exercise due care

## **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:** Store at 20° C

Keep tightly closed. Handle & store under nitrogen. Moisture sensitive. freeze, 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.

## **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.***

03/18/2010