

# Lactose Octaacetate: sc-221829



## MATERIAL SAFETY DATA SHEET

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### Section 1 - General Information

**Chemical Name:**

Lactose Octaacetate

**CAS Reg. Number:**

6291-42-5

**Catalog Number:**

sc-221829

**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

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

**HMIS Classification**

**Health Hazard:** 0

**Flammability:** 0

**Physical hazards:** 0

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Form:**

Powder

**Vapor Pressure:**

N/A

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

N/A

**Molecular Formula:**

C<sub>28</sub>H<sub>38</sub>O<sub>19</sub>

**Solubility in Water:**

N/A

**Melting Point:**

83-85 °C

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

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

678.59

### Section 4 - Reactive Data

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizing agents

**Conditions to Avoid:**

Strong oxidizers

**Hazardous Decomposition or Byproducts:**

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:

Hood

### Eye Protection:

chemical safety goggles

### Other Protection:

safety shower and eye bath

## Section 6 - First Aid Measures

### Inhalation:

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Skin:

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

### Ingestion:

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

### Eyes:

In case of contact with eyes, flush with copious amounts of water for at least 15 min. Assure adequate flushing by separating eyelids.

## Section 7 - Health Hazard Data

### Health Hazards (Acute and Chronic):

#### Acute toxicity

no data available

#### Irritation and corrosion

no data available

#### Sensitization

no data available

**Chronic exposure IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Developmental Toxicity - rat -Oral Specific Developmental Abnormalities:** Musculoskeletal system.

### Potential Health Effects

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | May be harmful if inhaled. May cause respiratory tract irritation.  |
| <b>Skin</b>       | May be harmful if absorbed through skin. May cause skin irritation. |
| <b>Eyes</b>       | May cause eye irritation.   |
| <b>Ingestion</b>  | May be harmful if swallowed.  |

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### Medical Conditions Generally Aggravated by Exposure:

To the best of our knowledge the chemical, physical, and 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 protective equipment. 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:

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. Local environmental regulations.

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

Mechanical exhaust required. Do not breath dust. Avoid contact with eyes, skin and clothing. Keep tightly closed. Store in a cool dry place. Store at room temperature.

## **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.***

1/3/2012