

# Methyl 4,6-O-Benzylidene- $\alpha$ -D-mannopyranoside: sc-211865



*The Power to Question*

## Material Safety Data Sheet

### Section 1 - General Information

**Chemical Name:**

Methyl 4,6-Benzylidene- $\alpha$ -D-mannopyranoside

**CAS Reg. Number:**

4148-58-7

**Catalog Number:**

sc-211865

**Supplier:**

Santa Cruz Biotechnology, Inc.

2145 Delaware Avenue

Santa Cruz, CA 95060

800.457.3801 or 831.457.3800

### 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.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Appearance and Odor:**

White to Off-White Solid

**Vapor Pressure:**

N/A

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

N/A

**Solubility in Water:**

Yes

**Melting Point:**

141-143°C

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

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

282.28

**Molecular Formula:**

C<sub>14</sub>H<sub>18</sub>O<sub>6</sub>

### Section 4 - Reactive Data

**Stability:**

good

**Incompatibility (Materials to Avoid):**

strong oxidizer

**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

**Ventilation:**

Use in 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 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):**

The 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.

**Medical Conditions Generally Aggravated by Exposure:**

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**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.

**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.***

**Emergency:**

ChemWatch

Within the US & Canada: 877-715-9305

Outside the US & Canada: +800 2436 2255

(1-800-CHEMCALL) or call +613 9573 3112