

# 1-Amino-2,5-anhydro-1-deoxy-D-mannitol: sc-220459



The Power to Question

## MATERIAL SAFETY DATA SHEET

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### Section 1 - General Information

**Chemical Name:**

1-Amino-2,5-anhydro-1-deoxy-D-mannitol

**CAS Reg. Number:**

228862-97-3

**Catalog Number:**

sc-220459

**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.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Appearance and Odor:**

off white solid

**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

### Section 4 - Reactive Data

**Stability:**

Good

**Incompatibility (Materials to Avoid):**

Strong oxidizing agents

**Conditions to Avoid:**

Strong oxidizing agents

**Hazardous Decomposition or Byproducts:**

toxic fumes of carbon monoxide, carbon dioxide and nitrogen oxides

**Hazardous Polymerization:**

will not occur

### **Section 5 - Control Measures**

#### **Respiratory Protection:**

Niosh/Msha approved respirator

#### **Ventilation:**

Chemical Fume Hood

#### **Protective Gloves:**

Rubber Gloves

#### **Eye Protection:**

Chemical Goggles

#### **Other Protective Clothing:**

Lab Coat/Apron

#### **Other Protection:**

Eye Safety Wash

### **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.

#### **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 minutes. Assure adequate flushing by separating the eyelids with fingers.

### **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. 1-Amino-2,5-anhydro-1-deoxy-D-mannitol, a -D-fructose analog, serves as a substrate for the hexose transporter of *Trypanosoma brucei*, while the human erythrocyte transporter can only use D-glucose.

#### **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.

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

Keep tightly closed.

### **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**

No data available.

***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.***

7/21/2010