

# 6-Amino-6-deoxy-D-glucose Hydrochloride: sc-221081



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 6-Amino-6-deoxy-D-glucose Hydrochloride  
**Product Number:** sc-221081  
**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

### 2. HAZARDS IDENTIFICATION

#### WHMIS Classification

Not WHMIS Classified

#### HMIS Classification

**Health Hazard:** 1  
**Flammability:** 0  
**Physical Hazards:** 0

#### Potential health effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Ingestion** May be harmful if swallowed.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.

Not a dangerous substance according to GHS criteria.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Formula:** C<sub>6</sub>H<sub>14</sub>CINO<sub>5</sub>  
**Chemical Weight:** 215.63  
**CAS #:** 55324-97-5

### 4. FIRST AID MEASURES

#### General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of the dangerous area.

#### If Inhaled

If inhaled, move person to fresh air. If not breathing, give artificial respiration and consult a physician.

#### In Case of Skin Contact

Wash affected area with soap and water. Consult a physician.

#### In Case of Eye Contact

Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.

#### If Swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. FIREFIGHTING MEASURES

#### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

#### Advice for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid dust or aerosol formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Ventilation and proper handling are to be used to prevent the formation of dusts and mists. Normal measures for preventative fire protection.

### Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well ventilated place. Store at -20 °C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no components with established occupational exposure limits.

### Appropriate Engineering Controls

A laboratory fumehood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

### Personal Protective Equipment

#### Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face mask with approved organic vapor cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin and body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	Odor	No data available
Odor Threshold	No data available	pH	No data available
Melting Point/Freezing Point	>150 °C (dec.)	Boiling Point/Boiling Range	No data available
Flash point	No data available	Evaporation Rate	No data available
Flammability (Solid/Gas)	No data available	Upper/Lower Explosive Limits	No data available
Vapor Pressure	No data available	Vapor Density	No data available
Relative Density	No data available	Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available	Viscosity	No data available
Explosive Properties	No data available	Oxidizing Properties	No data available
Solubility	No data available		

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under recommended storage conditions.

### Conditions to Avoid

No data available

### Incompatible Materials

Strong oxidizing materials.

### Hazardous Decomposition Products

Hazardous decomposition product formed under fire conditions: carbon oxides, nitrogen oxides, hydrogen chloride.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

No data available

### Corrosion/Irritation

no data available

### Sensitization

no data available

### Carcinogenicity

IARC: To the best of our knowledge, this compound has not been identified as a possible or potential human carcinogen by IARC.

### Reproductive Toxicity/Teratogenicity

No data available

### Potential Health Effects

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

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.

### Additional Information

RTECS: not listed

## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### Bioaccumulative potential

no data available

### PBT and vPvB assessment

no data available

### Persistence and degradability

no data available

### Mobility in soil

no data available

### Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Offer surplus and non-recyclable solutions to licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated Packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## **15. REGULATORY INFORMATION**

### **Canada-DSL/NDSL Status**

Product is not on the Canadian DSL or NDSL list.

### **WHMIS Classification**

Not WHMIS controlled

## **16. OTHER INFORMATION**

*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.*

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