

# 1-hydroxycyclopentanecarboxylic acid: sc-273342



The Power to Question

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 1-hydroxycyclopentanecarboxylic acid  
**Product Number:** sc-273342  
**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

#### GHS Classification

Acute toxicity, dermal (Category 5)  
Acute toxicity, oral (Category 5)  
Acute toxicity, inhalation (Category 5)

#### GHS Label elements, including precautionary statements

Pictogram



Signal Word	Warning
<b>Hazard Statement(s)</b>	
H313	May be harmful in contact with skin
H303	May be harmful if swallowed
H333	May be harmful if inhaled
<b>Precautionary Statement(s)</b>	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** 1-hydroxycyclopentane-1-carboxylic acid  
**Formula:** C<sub>6</sub>H<sub>10</sub>O<sub>3</sub>  
**Molecular Weight:** 130.14 g/mol  
**CAS #:** 16841-19-3

### 4. FIRST AID MEASURES

#### In case of eye contact

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

#### In case of skin contact

Wash thoroughly with soap and plenty of water. Seek medical attention.

#### If inhaled

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

**If swallowed**

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

**5. FIREFIGHTING MEASURES****Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, alcohol resistant or polymer foam.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards/decomposition of product**

Emits toxic fumes under fire conditions.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

**Environmental precautions**

Prevent further leakage if safe to do so.

**Methods and materials for containment and clean up**

Absorb spills on sand or vermiculite and place in closed container for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

**Precautions for safe storage**

Keep container tightly closed. Store in a cool, dry, well ventilated area. Store at 4° C.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Eye/face protection**

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Hand/skin protection**

Avoid all direct contact with product. Wear chemical resistant gloves. Wear protective clothing and boots. After contact with skin, wash immediately.

**Respiratory protection**

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Solid	Odor	no data available
Odor Threshold	no data available	Melting point/Freezing Point	no data available
Boiling Point	no data available	Flash Point	no data available
Evaporation Rate	no data available	Flammability (solid, gas)	no data available
Flammability Limits	no data available	Vapor pressure	no data available
Relative Density	no data available	Solubility(ies)	no data available
Autoignition temperature	no data available	Decomposition temperature	no data available
Viscosity	no data available	Refractive Index	no data available
Partition coefficient: n octanol/ water	no data available		

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available

### Conditions to avoid

no data available

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

May evolve carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Carcinogenicity

no data available

### Reproductive toxicity

no data available

### STOT- single exposure

no data available

### STOT- repeated exposure

no data available

### Aspiration hazard

no data available

### Exposure Routes

Irritating to skin, eyes, and respiratory system. May have harmful effects if inhaled or swallowed.

## 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

Dissolve in 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 laws.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

### **New Jersey Right to Know Components**

This product may contain a chemical on the New Jersey Right to Know Components List.

1-Hydroxy-cyclopentanecarboxylic acid

CAS # 16841-19-3

### **California Prop. 65 Components**

This product may contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

## 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.*

10/29/2013