

# 3-Hydroxyglutaric Acid: sc-209609



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

Chemical Name	3-Hydroxyglutaric Acid		
Catalog Number	sc-209609		
CAS#	638-18-6		
Synonyms	3-Hydroxy-pentanedioic Acid; 2,4-Dideoxypentanic Acid; $\beta$ -Hydroxyglutaric Acid;		
Supplier	Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, California 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

#### EMERGENCY OVERVIEW

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 to Light Pink Solid
Vapor Pressure	N/A	Specific Gravity(H <sub>2</sub> O=1)	N/A
Vapor Density	N/A	Melting Point	94-96°C
Solubility in Water	yes	Evaporation Rate (Butyl Acetate=1)	N/A

### Section 4 - Reactive Data

Stability	Stable	Incompatibility (Materials to Avoid)	Strong oxidizing agents
Conditions to Avoid	Strong oxidizers		
Hazardous Decomposition or Byproducts	Toxic fumes of carbon dioxide, carbon monoxide	Hazardous Polymerization	will not occur

### Section 5 - Control Measures

Respiratory Protection	Niosh/Msha approved respirator	Ventilation	hood
Protective Gloves	Chemical resistant gloves	Eye Protection	chemical safety goggles
Other Protective Clothing	lab coats or apron	Other Protection	safety shower & eye bath

### Section 6 - First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.		
Skin	In case of contact, immediately flush eyes or skin with copious amount of water for at least 15 minutes while removing contaminated clothing and shoes.		
Ingestion	Wash out mouth with water provided person is conscious. Call a physician immediately.		
Eyes	In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.		

### Section 7 - Health Hazard Data

Health Hazards  
(Acute and Chronic)

#### 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 fatal if swallowed.

## **SIGNS AND SYMPTOMS OF EXPOSURE**

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

*Medical Conditions*      The toxicological properties have not been thoroughly investigated.  
*Generally Aggravated by*  
*Exposure*

## **Section 8 - Precautions for Safe Handling and Use**

*Steps to be Taken in*      Wear appropriate chemical resistant apparel. Avoid raising dust during clean-up. Ventilate area &  
*Case Material is*      wash spill site after pick-up is complete. Place waste in a bag & hold for disposal.  
*Released or Spilled*

*Waste Disposal Method*      Burn in a Chemical Incinerator equipped with an Afterburner & Scrubber. Observe all Federal, State  
& Local Laws when disposing of any waste.

*Precautions to Be*      Avoid contact & inhalation. Keep tightly closed. Restrict handling by unqualified personnel.  
*Taken in Handling*  
*and Storage*

## **Section 9 - Fire and Explosion Hazard Data**

*Extinguishing Media*      carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting*      wear self contained breathing apparatus and protective clothing to prevent contact with skins and  
*Procedures*      eyes.

*Unusual Fire and*      emits toxic fumes under fire conditions  
*Explosion Hazards*

## **Section 10 - Transportation Information and regulatory information**

### **Transportation 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.*

9/9/2010