

# Sodium Methanethiosulfonate: sc-208395



*The Power to Question*

## Material Safety Data Sheet

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### **Section 1 - General Information**

**Chemical Name:**

Sodium Methanethiosulfonate

**CAS Reg. Number:**

1950-85-2

**Catalog Number:**

sc-208395

**Company:**

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**

Irritant. Irritating to eyes, respiratory system and skin.

### **Section 3 - Physical/Chemical Characteristics**

**Boiling Point:**

N/A

**Appearance and Odor:**

White solid

**Vapor Pressure:**

N/A

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

N/A

**Solubility in Water:**

Soluble in DMF, DMSO, Hot Ethanol and Water

**Melting Point:**

270-280° C

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

N/A

**Vapor Density:**

N/A

**Molecular Formula:**

CH<sub>3</sub>NaO<sub>2</sub>S<sub>2</sub>

**Molecular Weight:**

134.15

### **Section 4 - Reactive Data**

**Stability:**

Hygroscopic and hydrolizable

**Incompatibility (Materials to Avoid):**

water, strong oxidizing agents

**Conditions to Avoid:**

damp locations

**Hazardous Decomposition or Byproducts:**

carbon monoxide, carbon dioxide, sulfur oxides and sodium oxides

**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 coat or apron

### **Other Protection:**

Safety shower and 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:**

Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.

### **Ingestion:**

Rinse mouth out with water, provided the person is conscious. Seek medical attention.

### **Eyes:**

Flush eyes with copious amounts of water, separating eyelids with fingers.

## **Section 7 - Health Hazard Data**

### **Health Hazards (Acute and Chronic):**

ROUTE OF EXPOSURE Skin Contact: Causes skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: Causes eye irritation. Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. SIGNS AND SYMPTOMS OF EXPOSURE To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **Medical Conditions Generally Aggravated by Exposure:**

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

## **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 bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### **Waste Disposal Method:**

Dispose of in accordance with all federal, state and local environmental regulations.

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

Desiccate at 4° C, store in a cool, dry and well ventilated area. Keep all containers securely closed when not in use.

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

### **Extinguishing Media:**

Water; Carbon dioxide; dry powder; other media - not determined.

### **Special Fire Fighting Procedures:**

Use water spray to cool fire - exposed containers and structures. Use water spray to disperse any vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.

### **Unusual Fire and Explosion Hazards:**

Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur dioxide.

**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.*