

# 3-Acetylthio-2-methylpropanoic Acid: sc-209520



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - General Information

**Chemical Name:**

3-Acetylthio-2-methylpropanoic Acid

**CAS Reg. Number:**

33325-40-5

**Catalog Number:**

sc-209520

**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

The toxicological Properties Have not been thoroughly investigated to the best of our knowledge. Exercise due care!

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Form:**

Solid

**Vapor Pressure:**

N/A

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

N/A

**Molecular Formula:**

C<sub>6</sub>H<sub>10</sub>O<sub>3</sub>S

**Solubility in Water:**

Yes

**Melting Point:**

55-57° C

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

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

162.21

### 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 monoxide, carbon dioxide, nitrogen oxides

**Hazardous Polymerization:**

will not occur

### Section 5 - Control Measures

**Respiratory Protection:**

Niosh/Msha approved respirator

**Protective Gloves:**

Chemical resistant gloves

**Other Protective Clothing:**

Lab coat or apron

**Ventilation:**

Hood

**Eye Protection:**

chemical safety goggles

**Other Protection:**

safety shower and eye bath

## ***Section 6 - First Aid Measures***

### **Inhalation:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen in a non-flammable area.

### **Skin:**

In case of contact, immediately wash skin with copious amounts of soap and water for 15 minutes. Wash contaminated clothing before reuse.

### **Ingestion:**

If swallowed, rinse mouth out with water provided the person is conscious. Call a Physician.

### **Eyes:**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes, separating the eyelids with fingers.

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

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

**Skin Contact:** May cause skin irritation.

**Skin Absorption:** May be harmful if absorbed through the skin.

**Eye Contact:** May cause eye irritation.

**Inhalation:** Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled

**Ingestion:** Harmful if swallowed.

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

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

The toxicological properties have not yet been thoroughly investigated

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

### **Steps to be Taken in Case Material is Released or Spilled:**

Wear appropriate chemical resistant apparel. Ventilate area and wash spill site after pick up is complete. Place waste in bag and dispose according to local, provincial and federal regulations.

### **Waste Disposal Method:**

Burn in a chemical incinerator equipped with an afterburner and scrubber. Abide to local, provincial and federal regulations.

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

Avoid contact and inhalation. Keep tightly closed. Restrict handling to qualified personnel. Store at -20° C.

## ***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***

### **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.***

4/6/2011