

2-Mercaptoisobutyric Acid: sc-209209



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 – General Information

Chemical Name:

2-Mercaptoisobutyric Acid

Catalog Number:

sc-209209

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

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

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Form:

solid

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Molecular Formula:

MF

Solubility in Water:

Yes

Melting Point:

59–64° C

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Molecular Weight:

MW

Section 4 – Reactive Data

Stability:

Store in Freezer

Incompatability (Materials to Avoid):

Strong oxidizing agents

Conditions to Avoid:

No Data

Hazardous Decomposition or Byproducts:

Toxic Fumes of: carbon monoxide, carbon dioxide

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 breathing becomes difficult, call a physician.

Skin:

In case of skin contact, flush with copious amounts of water for atleast 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Ingestion:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eyes:

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

Section 7 – Health Hazard Data

Health Hazards (Acute and Chronic):

Acute Effects: may be harmful by inhalation, ingestion, or skin absorption. causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.!!

Medical Conditions Generally Aggravated by Exposure:

Possible carcinogen

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 a bag and hold for waste disposal.

Waste Disposal Method:

Dissolve 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 environmental regulations.

Precautions to Be Taken in Handling and Storage:

Store at 4° C. Keep tightly closed. Store in a cool dry place.

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

No Data Available

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.

02/14/2011