

1-Acetyl-2,2,5,5-tetramethyl- Δ 3-pyrroline-3-methyl Methanethiosulfonate: sc-208587



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - General Information

Chemical Name:

(1-Acetyl-2,2,5,5-tetramethyl- Δ 3-pyrroline-3-methyl) Methanethiosulfonate

CAS Reg. Number:

244641-23-4

Catalog Number:

sc-208587

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. Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Form:

Solid

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Molecular Formula:

C₁₂H₂₁NO₃S₂

Solubility in Water:

N/A

Melting Point:

113-117° C

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Molecular Weight:

291.43

Section 4 - Reactive Data

Stability:

good in freezer at -20° C

Incompatibility (Materials to Avoid):

water, Strong oxidizing agents

Conditions to Avoid:

Strong oxidizing agents

Hazardous Decomposition or Byproducts:

toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur 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:

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):

The toxicological properties have not been thoroughly investigated. Exercise due care.

Skin Contact: May Causes skin irritation.

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

Eye Contact: Causes eye irritation.

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

Ingestion: May be harmful if swallowed.

A highly reactive thiol-specific spin-label analogue. A specific conformational probe of thiol site structure by virtue of its minimal rotational freedom and distance from the covalent disulfide linkage to the macromolecule under study.

Medical Conditions Generally Aggravated by Exposure:

The toxicological properties have not been thoroughly investigated. Exercise due care.

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:

Store in a cool, dry and well ventilated area. Keep all containers securely closed when not in use. Store at -20° C

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media:

Water; Carbon dioxide; dry powder

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

DOT & IATA

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.

2/7/2011