

O-Acetyl-L-homoserine Hydrochloride: sc-212443



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - General Information

Chemical Name:

O-Acetyl-L-homoserine, Hydrochloride

CAS Reg. Number:

7540-67-2

Catalog Number:

sc-212443

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 of this compound have not been thoroughly investigated. Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Solubility in Water:

Yes

Form:

Solid

Melting Point:

120-122° C

Vapor Pressure:

N/A

Evaporation Rate (ButylAcetate=1):

N/A

Specific Gravity(H₂O=1):

N/A

Vapor Density:

N/A

Molecular Formula:

C₆H₁₂ClNO₄

Molecular Weight:

197.62

Section 4 - Reactive Data

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong Oxidizing Agents

Conditions to Avoid:

Strong oxidizers

Hazardous Decomposition or Byproducts:

Toxic fumes Carbon monoxide, carbon dioxide, nitrogen oxides and HCl gas

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:

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):

THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. May be harmful by inhalation, ingestion, or skin absorption. Material may be irritating to mucous membranes, upper respiratory tract and skin A versatile synthon for the synthesis of L-Homoserine peptides and 3-Amino-2-pyrrolidinones.

Medical Conditions Generally Aggravated by Exposure:

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

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:

Keep tightly closed. Store in a cool dry place.

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media:

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:

MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS

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.

4/18/2011