

(R)-Amino Carnitine: sc-208234



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name (R)-Amino Carnitine

Synonyms (2R)-2-Amino-3-carboxy-N,N,N-trimethyl-1-propanaminium Inner Salt;
(R)-3-Amino-4-(trimethylammonio)butyrate; Emeriamine;

Catalog Nbr sc-208234

Cas Reg. No 98063-21-9

Supplier 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

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

Emergency Overview: Target Organs, Gastrointestinal tract

HMIS: HEALTH: 2, FLAMMABILITY: 0, REACTIVITY: 0

Section 3 - Physical/Chemical Characteristics

Boiling Point N/A

Vapor Pressure N/A

Vapor Density N/A

Solubility in Water yes

Molecular Formula C7H16N2O2

Molecular Weight 160.21

Appearance and Odor

Off-White Amorphous Solid

Specific Gravity(H₂O=1)

N/A

Melting Point

150°C

Evaporation Rate (Butyl Acetate=1)

N/A

Section 4 - Reactive Data

Stability Stable, hygroscopic store under inert gas

Incompatibility
(Materials to Avoid)

Strong oxidizing agents

Conditions to Avoid Strong oxidizing agents

Hazardous toxic fumes of: carbon monoxide,
Decomposition or carbon dioxide, nitrogen oxides
Byproducts

Hazardous Polymerization will not occur

Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator

Ventilation

hood

Protective Gloves Chemical Resistant Gloves

Eye Protection

Safety Goggles

Other Protective Clothing lab coat and apron

Other Protection

safety shower, eye wash

Section 6 - First Aid Measures

Inhalation Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Skin Immediately flush skin with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician. Remove and wash contaminated clothing immediately.

Eyes Immediately flush eyes with copious amounts of water for at least 15 min. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 7 - Health Hazard Data

*Health Hazards
(Acute and Chronic)*

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

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

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

Eye Contact: May cause eye irritation.

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

Ingestion: May be harmful if swallowed.

An inhibitor of fatty acid oxidation. Aminocarnitine acts as a hypoglycemic and antiketogenic compound. It alters lipidic metabolism by inhibiting carnitine acetyltransferase (CAT) and carnitine palmitoyltransferase (CPT).

*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 a bag and hold for waste disposal. Avoid raising dust.

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. Possible mutagen. Irritant. 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.

5/6/2010