

2,2,5-Trimethyl-1,3-dioxane-5-carboxylic Acid: sc-206499



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1

Chemical Name 2,2,5-Trimethyl-1,3-dioxane-5-carboxylic Acid

Synonyms 2,2,5-Trimethyl-m-dioxane-5-carboxylic Acid;

Cas Reg. No 16837-14-2

Catalog Nbr sc-206499

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

Section 3 - Physical/Chemical Characteristics

Boiling Point N/A	Appearance and Odor White Solid
Vapor Pressure N/A	Specific Gravity(H₂O=1) N/A
Vapor Density N/A	Melting Point 108-111°C
Solubility in Water N/A	Evaporation Rate (Butyl Acetate=1) N/A
Molecular Formula C ₈ H ₁₄ O ₄	
Molecular Weight 174.1	

Section 4 - Reactive Data

Stability Stable	Incompatibility (Materials to Avoid) Strong oxidizing agents,
Conditions to Avoid Strong oxidizing agents	
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	Ventilation Mechanical exhaust required use in 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 not breathing give artificial respiration. If breathing is difficult, give oxygen.
Skin	Wash skin with soap and copious amounts of water.
Ingestion	Wash our mouth with water provided person is conscious. Call a physician immediately.
Eyes	Immediately flush with copious amounts of water for at least 15 minutes

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.

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

Eye Contact: Causes eye irritation.

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

Ingestion: Toxic if swallowed.

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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

Dissolve or mix 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 in a cool, dry place. Avoid prolonged, repeated exposure. Wash after handling. Wear chemical safety goggles, chemical resistant gloves, and NIOSH/MSHA-approved respirator.

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.