

2-Chloro-1,3-propanediol: sc-209128



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name 2-Chloro-1,3-propanediol

Synonyms 2-Chloro-1,3-dihydroxypropane; Glycerol β -Chlorohydrin; 2CPD;

Catalog Nbr sc-209128

Supplier Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Cas Reg. No 497-04-1

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

EMERGENCY OVERVIEW

The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point N/A	Appearance and Odor Colorless to Pale Yellow Oil
Vapor Pressure N/A	Specific Gravity (H ₂ O=1) N/A
Vapor Density N/A	Melting Point N/A
Solubility in Water N/A	Evaporation Rate (Butyl Acetate=1) N/A

Section 4 - Reactive Data

Stability Stable, store under inert gas	Incompatibility Strong oxidizing agents (Materials to Avoid)
Conditions to Avoid Strong oxidizers,	
Hazardous Decomposition or Byproducts Carbon monoxide, Carbon dioxide, hydrogen chloride	Hazardous Polymerization will not occur

Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator	Ventilation 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	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 effects have not been thoroughly tested. Exercise due care.

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: Harmful if swallowed.

A metabolite of Dichloropropanols.

<i>Medical Conditions Generally Aggravated by Exposure</i>	May be harmful by inhalation, ingestion or skin absorption. May cause irritation. The toxicological properties have not been thoroughly investigated.
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Section 8 - Precautions for Safe Handling and Use

<i>Steps to be Taken in Case Material is Released or Spilled</i>	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.
<i>Waste Disposal Method</i>	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.
<i>Precautions to Be Taken in Handling and Storage</i>	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

<i>Extinguishing Media</i>	Water spray, carbon dioxide, dry chemical powder or appropriate foam.
<i>Special Fire Fighting Procedures</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Unusual Fire and Explosion Hazards</i>	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.

7/20/2010