

3,4-Dihydroxyphenyl Ethanol: sc-202887



The Power to Question

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3,4-Dihydroxyphenyl Ethanol

Catalog Code: sc-202887

CAS Number: 10597-60-1

Chemical Family: Inhibitor

Synonyms: 4-(2-hydroxyethyl)-1,2-benzenediol; Ba2774; 3-Hydroxytyrosol

Supplier: Santa Cruz Biotechnology, Inc.

2145 Delaware Avenue

Santa Cruz, California 95060

800.457.3801 or 831.457.3800

Emergency: Santa Cruz Biotechnology, Inc.

800.457.3801 or 831.457.3800

or Luis Yanez 831.251.2170

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity/Common Name)

Name: 3,4-Dihydroxyphenyl ethanol

CAS #: 10597-60-1

Percentage: 5.0 %

OSHA PEL: No data.

ACGIH TLV: No data.

Name: Ethyl alcohol

CAS #: 64-17-5

Percentage: 95.0 %

OSHA PEL: 8H TWA:1000ppm (1900 mg/m3)

ACGIH TLV: No data.

3. HAZARDS IDENTIFICATION

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

Potential Health Effects (Acute and Chronic)

Contact may cause skin or eye irritation.

Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

Repeated exposure may cause skin dryness or cracking.

Vapors may cause drowsiness and dizziness.

The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information

No data available.

Signs and Symptoms Of Exposure

Irritating to the skin, eyes, nose, throat, and respiratory tract.

4. FIRST AID MEASURES

Medical Conditions Generally Aggravated By Exposure

No data available.

Emergency and First Aid Procedures

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Note to Physician

No data available.

5. FIRE FIGHTING MEASURES

Flash Pt: 62.00 F **Method Used:** See note below

Explosive Limits: LEL: 3.3% UEL: 19%

Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Note: Flammable as diluted in ethanol.

Flammable Properties and Hazards

Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

Container explosion may occur under fire conditions.

Emits toxic fumes under fire conditions.

Flammable liquid.

Vapors can travel to a source of ignition and flash back.

Hazardous Combustion Products

carbon dioxide

carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

After removal, ventilate contaminated area and flush thoroughly with water.

7. HANDLING AND STORAGE

Hazard Label Information:

Avoid contact with skin and eyes. Do not reuse this container.

Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Handling

Avoid contact with eyes, skin, and clothing.

Do not reuse this container.

Keep away from sources of ignition.

Use with adequate ventilation.

Wash thoroughly after handling.

Precautions To Be Taken in Storing

Store at correct temperature.

Other Precautions

No data available.

Work/Hygienic/Maintenance Practices

Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Equipment Summary - Hazard Label Information

Eye wash station in work area Lab coat Latex disposable gloves

Safety glasses	Safety shower in work area	Vent Hood
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Respiratory Equipment (Specify Type)

No data available.

Eye Protection

Safety glasses

Protective Gloves

Latex disposable gloves

Other Protective Clothing

Lab coat

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: ☐ Gas , ☒ Liquid , ☐ Solid

Boiling Point:	No data.
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Melting Point: No data.

Specific Gravity (Water = 1): No data.

Density: No data.

Vapor Pressure (vs. Air or mm Hg): 44.6 MM_HG at 20.0 C

Vapor Density (vs. Air = 1):	No data.
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Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: 50 mg/ml* at 25.0 C

Other Solubility Notes: *PBS pH 7.2, sol. in organic solvents

Percent Volatile: No data.

Saturated Vapor Concentration: No data.

Viscosity: No data.

Molecular Formula: C8H10O3

Molecular Weight: 154.20

pH: No data.

Appearance and Odor

A clear, colorless solution

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

alkali metals

ammonia

oxidizing agents

peroxides

protect from moisture

Hazardous Decomposition Or Byproducts

carbon dioxide

carbon monoxide

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

11. TOXICOLOGICAL INFORMATION

The toxicological effects of this compound have not been thoroughly studied.

Chronic Toxicological Effects

No data available.

12. ECOLOGICAL INFORMATION

Runoff from fire control or dilution water may cause pollution.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name

Ethyl alcohol

DOT Hazard Class: 3

DOT Hazard Label: FLAMMABLE LIQUID

UN/NA Number: 1170

Additional Transport Information

Transport in accordance with local, state, and federal regulations.

15. REGULATORY AND OTHER INFORMATION

Regulatory information on this product is not available.

For research use only, not for human or veterinary clinical use.

*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.*