

D-Threose: sc-285394



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: D-Threose

Catalog number: sc-285394

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: 2,3,4-trihydroxybutanal

Formula: C₄H₈O₄

Molecular weight: 120.10

CAS Number: 95-43-2

EINECS Number: -

3. HAZARDS IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

Target organs: None.

Potential health effects:

Eye: May cause eye irritation.

Skin: May cause skin irritation. May be harmful by skin absorption.

Ingestion: May be harmful if swallowed.

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

Chronic: No information found.

4. FIRST AID MEASURES

Eye contact:

Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid immediately.

Skin contact:

Get medical aid. Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

Inhalation:

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

Ingestion:

Wash out mouth with water provided person is conscious. Call a physician.

Notes to Physician:

Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Personal precautions:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing media:

In case of fire use water spray, dry chemical powder, carbon dioxide, or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid raising dust.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid breathing vapors, mist or gas. Do not let product enter drains.

Storage:

Store in a tightly closed container. Store in a dry cool area. Refrigerate. Keep cold. Store at 4 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment:

Eyes protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations.

Skin protection:

Wear appropriate protective gloves to prevent skin exposure.

Respiratory protection:

Follow the OSHA respirator regulations as European Standard EN 149 approved respirator when necessary. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Solubility: Water.

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under recommended storage conditions.

Conditions to avoid:

Heat, flame, ignition sources, dusting, and incompatibles.

Incompatibilities with other materials:

Strong oxidizing agents.

Hazardous decomposition products:

Carbon oxides.

Hazardous polymerization:

Will not occur.

11. TOXICOLOGICAL INFORMATION

RTCS #:

LD50/LC50: Data not available.

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

Potential health effects:

- Eye:** May cause eye irritation.
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Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Chronic: No information found.

12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

European/ International Regulations: The product does not need to be labelled in accordance with EC Directives or respective national laws.

Hazard Symbols: -

R- phrases: - Data not available.

S- phrases: - Data not available.

16. OTHER INFORMATION

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.

8/18/2014