

2-Deoxy-2-fluoro-L-fucose: sc-283123



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 2-Deoxy-2-fluoro-L-fucose
Catalog number: sc-283123
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

Molecular Formula: C₆H₁₁FO₄
Molecular Weight: 166.15
CAS Number: 70763-62-1
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. May be irritating to mucous membranes and upper respiratory tract
Chronic	No information found

Medical conditions aggravated by exposure:

May cause more significant irritation in people with pre-existing conditions.

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.

Unusual fire & explosion hazards: Emits toxic fumes under fire conditions.

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.

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 ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a dry cool area. Refrigerate. Keep cold. Store at 4 °C. Keep away from heat, sparks, and flames.

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: Solid

Molecular Formula: C₆H₁₁FO₄

Molecular Weight: 166.15

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, moisture.

Hazardous decomposition products: Toxic fumes of carbon dioxide, carbon monoxide, and hydrogen fluoride.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

RTCS #: Data not available

LD50/LC50: Data not available

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

Other studies:

Medical conditions aggravated by exposure:

May cause more significant irritation in people with pre-existing conditions.

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

May be irritating to mucous membranes and upper respiratory tract

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: European Labeling in Accordance with EC Directives

Hazard Symbols: -

R-phrases: Data not yet available

S-phrases:

S24/25 Avoid contact with skin and eyes.

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.

6/19/2012