



2-DEOXY-2-FLUORO-L-FUCOSE

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Chemical Name:	2-Deoxy-2-fluoro-L-fucose
Product Code:	MD06089
Supplier:	Carbosynth Ltd, 8&9 Old Station Business Park, Compton, Berkshire, RG20 6NE, UK.
Emergency contact numbers:	Telephone: +44 (0)1635 578 444 Fax: +44 (0)1635 579 444

2. COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Formula:	Molecular weight:	CAS Number:	EINECS Number:
C ₆ H ₁₁ FO ₄	166.15	70763-62-1	-

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.



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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 2 - 8 °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.



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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.

Appearance: White to off-white.

Molecular formula: $C_6H_{11}FO_4$

Molecular weight: 166.15 g/mol

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 #:
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.



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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 Labelling in Accordance with EC Directives.
Hazard Symbols:	-
R- phrases:	- Data not available.
S- phrases:	S24/25 Avoid contact with skin and eyes.

16. ADDITIONAL INFORMATION

None

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.