

Safety Data Sheet

FC13-DFE

1,1-Difluoro-2-(2-Fluoroethoxy)ethane

Revised 22-June-2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 1,1-Difluoro-2-(2-fluoroethoxy)ethane

Catalog NumberFC13-DFECAS Number2708335-42-4SupplierFluoryx Labs

3650 Research Way, #22 Carson City, NV 89706

USA

Emergency call (VelocityEHS): +01-813-248-0585 (International)

+1-800-255-3924 (USA)

2. HAZARDS INFORMATION

Emergency Overview

OSHA Hazards No known OSHA hazards

GHS Classification Eye irritation, H320; May cause respiratory irritation,

H335

GHS Label elements, including precautionary statements

Pictogram Signal word

Warning

Hazard statement(s) H320: Causes eye irritation.

H335: May cause respiratory irritation

Precautionary statement(s) P264: Wash hands thoroughly after handling.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical

advice/attention.

Hazards not otherwise classified (HNOC) or not covered by GHS

Inhalation of decomposition products from overheating may cause lung irritation or shortness of breath

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Synonyms Difluc

Difluoro(fluoromethoxy)methane

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Chemical formula CF₂HCH₂OCH₂CFH₂

 $C_4H_7F_3O$

Molecular weight128.09 g/molCAS number2708335-42-4

EC number None
TSCA status Not listed

Components

Components Material	Classification	Concentration
1,1-Difluoro-2-(2-fluoroethoxy)ethane	H320, H335	≤ 100%
1,1 Dilucito 2 (2 liacitostrioxy)ctilario	11020, 11000	= 10070
4. FIRST AID MEASURES		
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.	
In case of skin contact	Wash off with soap and water.	
In case of eye contact	Flush eyes with water for 15 minutes. Consult a physician	
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.	
5. FIREFIGHTING MEASURES		
Suitable extinguishing media	local circumstances a environment, such as	asures that are appropriate to nd the surrounding carbon dioxide, dry chemical t use water with a full water jet.
Special protective equipment for firefighters	Wear self-contained breathing apparatus for fire fighting.	
Hazardous combustion products		ition products formed under n oxides, hydrogen fluoride.
6. ACCIDENTAL RELEASE MEASURES		
Personal precautions	with the skin and the	tive equipment. Avoid contact eyes. Ensure adequate nalation of vapor, mist, dust, or
Environmental precautions	Do not let product enter drains.	
Methods for cleaning up		iculite. Transfer to a closable, iner for disposal by an
7. HANDLING AND STORAGE		
Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.	
Conditions for Safe Storage	Keep container tightly ventilated place.	closed in a dry and well-

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protectionUse in a fume hood. For nuisance exposures use

type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and

components tested and approved under appropriate government standards such as NIOSH (US) or CEN

(EU).

Handle with gloves. Gloves must be inspected prior

to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection Use equipment for eye protection tested and

approved under appropriate government standards

such as NIOSH (US) or EN 166(EU).

Skin and body protection Impervious clothing, the type of protective

equipment must be selected according to the concentration and amount of the dangerous

substance at the specific workplace.

Hygiene measuresGeneral industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Liquid
Color Colorless

Safety Data

No data available pΗ Melting Point/Freezing Point No data available **Boiling Point** 118 °C @ 1 atm Flash Point No data available Ignition Temperature No data available **Auto-ignition Temperature** No data available Lower Explosion Limit No data available Upper Explosion Limit No data available Thermal Decomposition Temperature No data available Vapor Pressure No data available Density No data available Water Solubility No data available Partition Coefficient (*n*-octanol/water) No data available

Relative Vapor Density (Air = 1) > 1

Odor Sweet ether-like
Odor Threshold No data available
Evaporation Rate No data available
Refractive index No data available
Viscosity No data available

10. STABILITY AND REACTIVITY

Storage stability Stable under recommended storage conditions.

Possibility of hazardous reactions Polymerization will not occur.

Conditions to avoid Keep away from open flames and heated surfaces

above 300 °C.

Materials to avoid Strong oxidizing agents. Strong acids.

Hazardous decomposition products

Hazardous decomposition products formed under

fire conditions - carbon oxides, hydrogen fluoride,

carbonyl fluoride.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 No data available
Inhalation LC50 No data available
Dermal LD50 No data available
Other information on acute toxicity No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available

Carcinogenicity IARC: No component of

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a

known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity (Globally Harmonized System)

Single exposure
Repeated exposure
No data available
No data available
No data available

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory

tract irritation.

SkinMay be irritating.EyesCauses eye irritation.

Ingestion May be harmful if swallowed.

Signs and Symptoms of Exposure To the best of our knowledge, the chemical,

physical, and toxicological properties have not been

thoroughly investigated.

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Synergistic Effects	No data available	
Additional Information	No data available	
12. ECOLOGICAL INFORMATION		
Toxicity	No data available	
Persistence and Degradability	No data available	
Bioaccumulative Potential	No data available	
Mobility in Soil	No data available	
PBT and vPvB Assessment	No data available	
Other adverse effects	No data available	
13. DISPOSAL CONSIDERATIONS		
Product	Offer non-recyclable solutions to a licensed disposal company. Contact Fluoryx Labs to return unused product.	
Contaminated packaging	Dispose of as unused product.	
14. TRANSPORTATION INFORMATION		
DOT (US)	Not dangerous goods	
IMDG	Not dangerous goods	
IATA	Not dangerous goods	
15. REGULATORY INFORMATION		
OSHA Hazards	No known OSHA hazards.	
TSCA Status	Listed.	
DSL Status	This product does not contain components listed on the Canadian NDSL list.	
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
SARA 311/312 Hazards	No SARA hazards.	
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.	
Pennsylvania Right To Know Components	No components are subject to the Pennsylvania Right to Know Act.	
New Jersey Right To Know Components	No components are subject to the New Jersey Right to Know Act.	
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	
16. OTHER INFORMATION		

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Further information:

Not for drug, household, or other uses. The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations or mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. Unless noted to the contrary, the technical information applies only to pure product.

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End of SDS