



FC13-F1,2DEE

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

Revised 01-December-2023

1. PRODUCT AND COMPANY IDENTIFICATION		
Product Name	1-(2,2-Difluoroethoxy)-2-(2-fluoroethoxy)ethane	
Catalog Number	FC13-F1,2DEE	
CAS Number	None	
Supplier	Fluoryx 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 precautionar	y 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 of	covered by GHS	

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

3. COMPOSITION AND INFORMATION ON INGREDIENTS

FC13-F1,2DEE SDS **Synonyms** None CFH₂CH₂OCH₂CH₂OCH₂CF₂H **Chemical formula** C6H11F3O2 Molecular weight 172.15 g/mol **CAS** number None EC number None **TSCA** status Not listed Components Classification Material Concentration 1-(2,2-Difluoroethoxy)-2-(2-H320, H335 ≤ 100% fluoroethoxy)ethane **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** Use extinguishing measures that are appropriate to Suitable extinguishing media local circumstances and the surrounding environment, such as: carbon dioxide, dry chemical powder, water. Do not use water with a full water jet. Special protective equipment for firefighters Wear self-contained breathing apparatus for fire fighting. Hazardous combustion products Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride. 6. ACCIDENTAL RELEASE MEASURES Wear personal protective equipment. Avoid contact Personal precautions with the skin and the eyes. Ensure adequate ventilation. Avoid inhalation of vapor, mist, dust, or gas. **Environmental precautions** Do not let product enter drains. Methods for cleaning up Mix with sand or vermiculite. Transfer to a closable, labeled salvage container for disposal by an appropriate method 7. HANDLING AND STORAGE **Precautions for Safe Handling** Avoid contact with skin and eyes. Avoid inhalation of

Conditions for Safe Storage

Keep container tightly closed in a dry and wellventilated place.

protection.

vapor or mist. Normal measures for preventive fire

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	Respiratory protection not required. 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).
Hand protection	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 measures	General industrial hygiene practice.
9. PHYSICAL AND CHEMICAL PROPERTIES	

Appearance Form Liquid Color Colorless Safety Data pН No data available Melting Point/Freezing Point No data available **Boiling Point** 179 °C @ 1 atm Flash Point No data available Ignition Temperature No data available No data available Auto-ignition Temperature Lower Explosion Limit No data available Upper Explosion Limit No data available **Thermal Decomposition Temperature** No data available Vapor Pressure No data available Density 1.18 g/mL @ 20 °C Water Solubility No data available Partition Coefficient (n-octanol/water) No data available > 1 Relative Vapor Density (Air = 1) Odor Ether-like Odor Threshold No data available **Evaporation Rate** No data available Refractive index No data available No data available Viscosity

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 Inhalation LC50 Dermal LD50 Other information on acute toxicity	No data available No data available No data available 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 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 Harmoni Single exposure Repeated exposure	zed System) No data available No data available
Aspiration Hazard	No data available
Potential Health Effects Inhalation Skin Eyes Ingestion	May be harmful if inhaled. May cause respiratory tract irritation. May be irritating. Causes eye irritation. 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.

Supervistic Effects	No data available
Synergistic Effects Additional Information	No data available
	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
ΙΑΤΑ	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	

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 MSDS