

FC23-EVE

Propanoic, 3-[1-[Difluoro(Trifluoroethenyl)Oxy] Methyl]-1,2,2,2-Tetrafluoroethoxy] 2,2,3,3-Tetrafluoro, Methyl Ester)

Revised 05-March-2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product name	Propanoic, 3-[1-[Difluoro(Trifluoroethenyl)Oxy] Methyl]-1,2,2,2-Tetrafluoroethoxy] 2,2,3,3-Tetrafluoro, Methyl Ester)
Catalog number	FC23-EVE
Brand	Fluoryx Labs
CAS number	63863-43-4

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified uses	Laboratory chemicals. Analytical standard.
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Details of the Supplier of the Safety Data Sheet

Company	Fluoryx Labs 3650 Research Way, #22 Carson City, NV 89706 USA +1 (510) 329-9149 (Telephone) +1 (510) 686-8799 (Fax) www.fluoryx.com
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Emergency Call (VelocityEHS)

+01-813-248-0585 (International)
+1-800-255-3924 (USA)

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Skin corrosion/irritation - Category 1B
 Serious eye damage/eye irritation - Category 1

GHS Label Elements, Including Precautionary Statements

Pictogram:

Signal Word: Danger

Hazard statements

H314- Causes severe skin burns and eye damage

Precautionary statements

P260 – Do not breath dust/fume/gas/mist/vapors/spray.

P264 - Wash skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If

on skin: Wash with plenty of soap and water

Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS

None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Synonyms

Eve monomer; Methyl perfluoro(5-methyl-4,7-dioxanon-8-enoate)

Formula	C ₉ H ₃ F ₁₃ O ₄
Molecular Weight	422.1 g/mol
CAS Number	63863-43-4
EC Number	264-518-0

Hazardous Components

Component	Classification	Concentration
Propanoic, 3-[1-[Difluoro(Trifluoroethyl)Oxy] Methyl]-1,2,2,2-Tetrafluoroethoxy] 2,2,3,3-Tetrafluoro, Methyl Ester)	Skin corrosion/irritation - Category 1B Serious eye damage/eye irritation - Category 1	≤100%

FIRST AID MEASURES

Description of First Aid Measures

General advice	Consult a physician if necessary. Remove to fresh air.
If inhaled	Transfer to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
In case of skin contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes.
In case of eye contact	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indications of Any Immediate Medical Attention No data available

4. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water, foam, carbon dioxide (CO ₂), dry powder
Special Hazards Arising from the Substance	Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride.
Advice for Firefighters	Wear gas tight chemically protective clothing in combination with self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
Further Information	No data available.

5. ACCIDENTAL RELEASE MEASURES

General Measures	Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray. Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
Environmental Precautions	If safe, do not let product enter drains.
Methods for Cleaning Up	Pick up and arrange disposal without creating mist. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal, see section 13.

6. HANDLING AND STORAGE

Precautions for Safe Handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from open flames and heated surfaces above 180 °C (356 °F).
Conditions for Safe Storage	Store at 4 °C. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Specific End Use(s)	Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

7. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with Workplace Control Parameters	Contains no substances with occupational exposure limit values.
Engineering Controls	Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal Protective Equipment	
Eye/face protection	Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin 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.
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.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.

Control of Environmental Exposure

Do not let product enter drains.

8. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form Clear liquid

Color Colorless

Safety Data

pH No data available

Melting point/freezing point No data available

Boiling point 151 °C at 760 mm Hg

Flash point Not flammable

Ignition temperature No data available

Auto-ignition temperature >400 °C

Lower explosion limit Not an explosion hazard

Upper explosion limit Not an explosion hazard

Thermal decomposition temperature No data available

Vapor pressure 0.33 kPa (0.05 psia) @ 25 °C

Density 1.445 g/mL @ 25 °C

Water solubility Insoluble

Partition coefficient (*n*-octanol/water) No data available

Relative vapor density (air = 1) No data available

Odor No data available

Odor threshold No data available

Evaporation rate No data available

Oxidizing properties Non-oxidizing

9. STABILITY AND REACTIVITY

Reactivity No data available

Chemical Stability Stable in sealed containers at 4 °C.

Possibility of Hazardous Reactions No data available.

Conditions to Avoid Keep away from open flames and heated surfaces above 180 °C (356 °F).

Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products Hazardous decomposition products formed under fire conditions - carbon oxides, and hydrogen fluoride.

10. 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

Causes skin corrosion

Serious Eye Damage/Eye Irritation	Causes serious eye damage
Respiratory or Skin Sensitization	May cause respiratory irritation
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 Harmonized System)	
Single exposure	No data available
Repeated exposure	No data available
Aspiration Hazard	No data available
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic Effects	No data available
Additional Information	RTECS: none

11. 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

12. DISPOSAL CONSIDERATIONS

Product	Offer non-recyclable solutions to a licensed disposal company or contact Fluoryx to return unused product. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Contaminated Packaging	Dispose of as unused product.

13. TRANSPORTATION INFORMATION

DOT (US)	UN1760, Packing Group II, Class 8, Proper shipping name: Corrosive liquids, n.o.s.
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IMDG	UN1760, Packing Group II, Class 8, Proper shipping name: Corrosive liquids, n.o.s., EMS-No: F-A,S-B
IATA	UN1760, Packing Group II, Class 8, Proper shipping name: Corrosive liquids, n.o.s.

14. REGULATORY INFORMATION

TSCA Status	Listed on the inventory.
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	Corrosive.
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.

15. OTHER INFORMATION

Further Information	<p>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.</p> <p>To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Fluoryx, nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use, the manner of use and whether any patents are infringed. This information</p>
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gives typical properties only and is not to be used for specification purposes.

End of SDS