

## FC23-PFO2HxA

## Sodium Heptafluoro-2,4-Dioxahexan-6-oate

Revised 06-June-2023

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**1. PRODUCT AND COMPANY IDENTIFICATION**


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**Product Identifier**

Product name	Sodium heptafluoro-2,4-dioxahexan-6-oate
Catalog number	FC23-PFO2HxA
Brand	Fluoryx Labs
CAS number	39492-88-1

**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 www.fluoryx.com
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**Emergency Call (VelocityEHS)**

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

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**2. HAZARDS IDENTIFICATION**


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**Classification of the Substance or Mixture**

Not a hazardous substance or mixture.

**GHS Label Elements, Including Precautionary Statements**

Not a hazardous substance or mixture.

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

None

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**3. COMPOSITION AND INFORMATION ON INGREDIENTS**


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**Synonyms**

PFO2HxA, sodium salt  
Sodium 2-[difluoro(trifluoromethoxy)methoxy]-2,2-difluoroacetate

<b>Formula</b>	C <sub>4</sub> F <sub>7</sub> NaO <sub>4</sub>
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<b>Molecular Weight</b>	268.02 g/mol
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<b>CAS Number</b>	39492-88-1
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<b>EC Number</b>	None
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No components need to be disclosed according to the applicable regulations.

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**4. FIRST AID MEASURES**


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**Description of First Aid Measures**

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most Important Symptoms and Effects, Both Acute and Delayed**

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.

**5. FIREFIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
<b>Special Hazards Arising from the Substance</b>	Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride, acid fluorides, and sodium oxides.
<b>Advice for Firefighters</b>	Wear self contained breathing apparatus for fire fighting.
<b>Further Information</b>	No data available.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
<b>Environmental Precautions</b>	Do not let product enter drains.
<b>Methods for Cleaning Up</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
<b>Reference to other sections</b>	For disposal see section 13.

**7. HANDLING AND STORAGE**

<b>Precautions for Safe Handling</b>	Avoid contact with skin and eyes. Avoid formation of mist or respirable particles. Provide appropriate exhaust ventilation at places where mist, dust, or vapors are formed. Normal measures for preventive fire protection. Keep away from open flames and heated surfaces above 180 °C (356 °F).
<b>Conditions for Safe Storage</b>	Store in cool place. 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. Product is hygroscopic.

**Specific End Use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**


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<b>Components with Workplace Control Parameters</b>	Contains no substances with occupational exposure limit values.
<b>Engineering Controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Personal Protective Equipment</b>	
<b>Eye/face protection</b>	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin protection</b>	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.
<b>Body protection</b>	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory protection</b>	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of Environmental Exposure</b>	Do not let product enter drains.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**


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**Appearance**

Form	Waxy solid
Color	White

**Safety Data**

pH	No data available
Melting point/freezing point	Decomposes
Boiling point	Decomposes
Flash point	Not flammable
Ignition temperature	No data available
Auto-ignition temperature	No data available
Lower explosion limit	Not an explosion hazard
Upper explosion limit	Not an explosion hazard
Thermal decomposition temperature	180 – 200 °C
Vapor pressure	No data available
Density	No data available

Water solubility	Soluble
Partition coefficient ( <i>n</i> -octanol/water)	No data available
Relative vapor density (air = 1)	No data available
Odor	Slight
Odor threshold	No data available
Evaporation rate	No data available
Oxidizing properties	Non-oxidizing

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**10. STABILITY AND REACTIVITY**

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<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Stable in sealed containers.
<b>Possibility of Hazardous Reactions</b>	No data available.
<b>Conditions to Avoid</b>	Keep away from open flames and heated surfaces above 180 °C (356 °F).
<b>Incompatible Materials</b>	Avoid strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Decomposition temperature 180 - 200 °C. Hazardous decomposition products formed under fire conditions - carbon oxides, sodium oxides, acid fluorides, and hydrogen fluoride.

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**11. TOXICOLOGICAL INFORMATION**

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<b>Acute Toxicity</b>	
Oral LD50	No data available
Inhalation LC50	No data available
Dermal LD50	No data available
Other information on acute toxicity	No data available
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Eye Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	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.
<b>Reproductive Toxicity</b>	No data available
<b>Specific Target Organ Toxicity (Globally Harmonized System)</b>	
Single exposure	No data available
Repeated exposure	No data available

<b>Aspiration Hazard</b>	No data available
<b>Signs and Symptoms of Exposure</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>Synergistic Effects</b>	No data available
<b>Additional Information</b>	RTECS: none

**12. ECOLOGICAL INFORMATION**

<b>Toxicity</b>	No data available
<b>Persistence and Degradability</b>	No data available
<b>Bioaccumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>PBT and vPvB Assessment</b>	No data available
<b>Other adverse effects</b>	No data available

**13. DISPOSAL CONSIDERATIONS**

<b>Product</b>	Offer non-recyclable solutions to a licensed disposal company or contact Fluoryx to return unused product.
<b>Contaminated Packaging</b>	Dispose of as unused product.

**14. TRANSPORTATION INFORMATION**

<b>DOT (US)</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>IATA</b>	Not dangerous goods

**15. REGULATORY INFORMATION**

<b>TSCA Status</b>	Not on the inventory.
<b>DSL Status</b>	Not listed on the Canadian NDSL list.
<b>SARA 302 Components</b>	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313 Components</b>	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.
<b>SARA 311/312 Hazards</b>	No SARA hazards.
<b>Massachusetts Right to Know Components</b>	No components are subject to the Massachusetts Right to Know Act.
<b>Pennsylvania Right to Know Components</b>	No components are subject to the Pennsylvania Right to Know Act.
<b>New Jersey Right to Know Components</b>	No components are subject to the New Jersey Right to Know Act.
<b>California Prop. 65 Components</b>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**16. OTHER INFORMATION**

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**HMIS Rating**

Health hazard	1
Flammability	0
Physical hazards	0

**NFPA Rating**

Health hazard	0
Fire	0
Reactivity hazard	0

**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