

## FC23-NVHOSNa

### Sodium 1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane Sulfonate

Revised 31-March-2022

#### 1. PRODUCT AND COMPANY IDENTIFICATION

##### Product Identifier

Product name	Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane sulfonate
Catalog number	FC23-NVHOSNa
Brand	Fluoryx Labs
CAS number	1132933-86-8

##### 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) www.fluoryx.com
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##### Emergency Call (Velocity EHS)

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

#### 2. HAZARDS IDENTIFICATION

##### Classification of the Substance or Mixture

GHS classification in accordance with 29 CFR 1910 (OSHA HCS)  
 Not a hazardous substance or mixture.

##### GHS Label Elements, Including Precautionary Statements

Pictogram	None
Signal Word	None
Hazard statement(s)	None
Precautionary statement(s)	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.

P501

Dispose of contents/container to an approved waste disposal plant.

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

None

**3. COMPOSITION AND INFORMATION ON INGREDIENTS****Synonyms**

NVHOS, sodium salt;

Sodium 1-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-1,2,2,2-tetrafluoroethane

**Formula**C<sub>4</sub>HF<sub>8</sub>O<sub>4</sub>SNa**Molecular Weight**

320.08 g/mol

**CAS Number**

1132933-86-8

**EC Number**

None

**Hazardous Components**

Component	Classification	Concentration
Sodium 1,1,2,2-tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane sulfonate	None known.	≤100%

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES****Description of First Aid Measures****General advice**

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.

**If inhaled**

Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention.

**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. Consult a physician.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out 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****Suitable Extinguishing Media**

Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.

<b>Special Hazards Arising from the Substance</b>	Hazardous decomposition products formed under fire conditions - carbon oxides, hydrogen fluoride, acid fluorides, and sulfur oxides.
<b>Advice for Firefighters</b>	Wear gas tight chemically protective clothing in combination with self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
<b>Further Information</b>	No data available.

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Measures</b>	Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.
<b>Personal Precautions</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. 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>	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).
<b>Conditions for Safe Storage</b>	Hygroscopic. Store in cool, dry 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. Moisture sensitive. Keep contents under inert gas.
<b>Specific End Use(s)</b>	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Components with Workplace Control Parameters</b>	Contains no substances with occupational exposure limit values.
<b>Engineering Controls</b>	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.
<b>Personal Protective Equipment</b>	
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.

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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	No data available
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	No data available
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>	Acids. 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, sulfur oxides, and hydrogen fluoride.

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## 11. TOXICOLOGICAL INFORMATION

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### 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

May cause eye irritation

### 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

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## 12. ECOLOGICAL INFORMATION

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### 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

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## 13. DISPOSAL CONSIDERATIONS

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**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.

**14. TRANSPORTATION INFORMATION**

**DOT (US)** Not dangerous goods

**IMDG** Not dangerous goods

**IATA** Not dangerous goods

**15. REGULATORY INFORMATION**

**TSCA Status** Not listed on the inventory.

**DSL Status** This substance is not on the NDSL.

**IECSC** Not listed on the Inventory of Existing Chemical Substances Produced or Imported in China

**ISHL** Not listed on the Japanese Industrial Safety and Health Law

**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**

**Full text of H-phrases:**

None

**HMIS Rating**

Health hazard	1
Flammability	0
Physical hazards	0

**NFPA Rating**

Health hazard	1
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