

---

**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

Product Name: Sodium Fluoroacetate  
Product Code: S05380

Supplier: Pfaltz & Bauer, Inc.  
172 E. Aurora Street  
Waterbury, CT 06708 USA

Phone: 203 574-0075  
Fax: 203 574-3181  
Emergency Phone: CHEMTREC, US: 1-800-424-9300  
CHEMTREC, International: 1-703-527-3887

**SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS**

Chemical Name: Sodium Fluoroacetate  
Synonyms: Fluoroacetic Acid Sodium Salt; Sodium Fluoroacetic Acid; Sodium Monofluoroacetate.

CAS Number: 62-74-8  
MDL Number: MFCD00002682  
Beilstein Reg. Number: 3915223  
Molecular Formula: FCH<sub>2</sub>COONa  
Molecular Weight: 100.02

**SECTION 3: HAZARDS IDENTIFICATION**

Acute Health Hazard: Highly toxic if ingested, inhaled or absorbed through the skin. Corrosive. Causes burns.

Chronic Health Hazard: Reproductive hazard.

HMIS Rating: H:4 F:0 R:0  
NFPA Rating: H:4 F:0 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

#### **SECTION 4: FIRST AID MEASURES**

<u>Eye Contact:</u>	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
<u>Skin Contact:</u>	Wash skin with soap and water. If irritation persists, seek medical attention.
<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention.
<u>Inhalation:</u>	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

#### **SECTION 5: FIRE FIGHTING MEASURES**

<u>Flash Point:</u>	Not Available
<u>Explosion Limits:</u>	Lower: Not Available Upper: Not Available
<u>Auto Ignition Temperature:</u>	Not Available
<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical powder or foam, water spray.
<u>Protective Equipment:</u>	Wear self-contained respirator and fully protective impervious suit.
<u>Specific Hazards:</u>	None

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<u>Personal Protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
<u>Environmental Protection:</u>	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

#### **SECTION 7: HANDLING and STORAGE**

<u>Handling:</u>	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Storage: Store in a tightly closed container in a dry, well-ventilated place.

Storage Temperature: 15 - 30°C

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Eyewash facility in vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

<u>Exposure Limits:</u>	<u>Country</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>
	USA	ACGIH	TWA	0.05mg/m <sup>3</sup>
	USA	OSHA	PEL	0.05mg/m <sup>3</sup>

## **SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

Appearance: White powder

Hygroscopic

Odor: Not Available

Melting Point: 200 - 205°C (Dec)

Boiling Point: Not Available

Density: Not Available

Refractive Index, n<sup>20</sup><sub>D</sub>: Not Available

Viscosity: Not Available

Solubility in Water: soluble

## **SECTION 10: STABILITY and REACTIVITY**

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong oxidizing agents, strong acids

## **SECTION 11: TOXICOLOGICAL INFORMATION**

RTECS Number: AH9100000

Target Organs: Heart, CNS, male reproductive system.

Toxicity Data: Oral Rat LD<sub>50</sub>: 100 mg/kg

Skin Rat LD<sub>50</sub>: 48 mg/kg

## **SECTION 12: ECOLOGICAL INFORMATION**

Very toxic to aquatic organisms

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

### **SECTION 14: TRANSPORT INFORMATION**

DOT Shipping Name: Sodium Fluoroacetate

DOT UN Number: 2629

DOT Hazard Class: 6.1

DOT Packing Group: I

IATA Shipping Name: Sodium Fluoroacetate

IATA UN Number: 2629

IATA Hazard Class: 6.1

IATA Packing Group: I

### **SECTION 15: REGULATORY INFORMATION**

United States:

Toxic Substance Control Act (TSCA): Listed

Superfund Amendments and Reauthorization Act (SARA 302): Listed

Superfund Amendments and Reauthorization Act (SARA 313): Not listed

International:

European Inventory of Existing Chemical Substances (EINECS): Listed (200-548-2)

Canadian Domestic Substances List (DSL): Listed

Australian Inventory of Chemical Substances (AICS): Listed

Japanese Handbook of Existing and New Chemical Substances (MITI): Listed

### **SECTION 16: OTHER INFORMATION**

Date Prepared: 4/10/2008 MAB

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.