



Material Safety Data Sheet

Sodium Hexafluoroantimonate, 98% (Titr.)

MSDS# 47482

Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium Hexafluoroantimonate, 98% (Titr.)  
Catalog Numbers: AC419540000, AC419540250, AC419541000  
Synonyms: None reported

Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

Company Identification: (USA) Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

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CAS#: 16925-25-0  
Chemical Name: Antimonate(1-), hexafluoro-, sodium, (oc-6-11)-  
%: 98.0  
EINECS#: 240-989-8  
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Hazard Symbols: XN



Risk Phrases: 20/22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! The toxicological properties of this material have not been fully investigated. May cause respiratory and digestive tract irritation. May cause lung damage. May cause liver and kidney damage. May cause eye and skin irritation. Long-term exposure may cause bone and joint changes. Target Organs: Kidneys, liver, lungs, skeletal structures.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Inorganic fluorides can be harmful. Acute exposure to fluorine compounds can lead to digestive tract burns, and abdominal pain. Exposure to fluoride compounds can result in systemic toxic effects on the heart, liver, and kidneys. It may also deplete calcium levels in the body leading to hypocalcemia and death.

Inhalation: May cause respiratory tract irritation.

Chronic: Chronic inhalation and ingestion may cause chronic fluoride poisoning (fluorosis) characterized by weight loss, weakness, anemia, brittle bones, and stiff joints. May cause liver and kidney damage.

#### Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Notes to Physician:**

#### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use agent most appropriate to extinguish fire.

**Autoignition Temperature:** Not available.

**Flash Point:** Not available

**Explosion Limits Lower:** Not available

**Explosion Limits Upper:** Not available

**NFPA Rating:** NFPA Rating:

#### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

#### Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Antimonate(1-), hexafluoro-, sodium, (oc-6-11)-	0.5 mg/m3 TWA (listed under Antimony).	0.5 mg/m3 TWA (listed under Antimony).50 mg/m3 IDLH (listed under Antimony).	0.5 mg/m3 TWA (listed under Antimony).

OSHA Vacated PELs: Antimonate(1-), hexafluoro-, sodium, (oc-6-11)-: 0.5 mg/m3 TWA (listed under Antimony)

**Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

**Personal Protective Equipment**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face

Eyes: protection regulations in 29 CFR 1910.133 or European Standard EN166.  
Skin: Wear appropriate protective gloves to prevent skin exposure.  
Clothing: Wear appropriate protective gloves to prevent skin exposure.  
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

#### Section 9 - Physical and Chemical Properties

Physical State: Solid  
Color: white  
Odor: Odorless.  
pH: Not available  
Vapor Pressure: Not available  
Vapor Density: Not available  
Evaporation Rate: Not available  
Viscosity: Not available  
Boiling Point: Not available  
Freezing/Melting Point: Not available  
Decomposition Temperature: Not available  
Solubility in water: very soluble in water  
Specific Gravity/Density:  
Molecular Formula: F6NaSb  
Molecular Weight: 258.72

#### Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.  
Conditions to Avoid: Incompatible materials, dust generation, strong oxidants.  
Incompatibilities with Other Materials: Not available  
Hazardous Decomposition Products: Strong oxidants, hydrogen fluoride gas.  
Hazardous Polymerization: Has not been reported.

#### Section 11 - Toxicological Information

RTECS#: CAS# 16925-25-0: None listed  
LD50/LC50: RTECS: Not available.  
Carcinogenicity: Antimonate(1-), hexafluoro-, sodium, (oc-6-11)- - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

#### Section 12 - Ecological Information

Not available

#### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

#### Section 14 - Transport Information

US DOT  
Shipping Name: TOXIC SOLIDS, ORGANIC, N.O.S.  
Hazard Class: 6.1  
UN Number: UN2811  
Packing Group: III  
Canada TDG  
Shipping Name: Not available  
Hazard Class:  
UN Number:  
Packing Group:

#### Section 15 - Regulatory Information

## European/International Regulations

### European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20/22 Harmful by inhalation and if swallowed.

Safety Phrases:

S 22 Do not breathe dust.

### WGK (Water Danger/Protection)

CAS# 16925-25-0: Not available

### Canada

CAS# 16925-25-0 is listed on Canada's NDSL List

Canadian WHMIS Classifications: D1B, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 16925-25-0 is not listed on Canada's Ingredient Disclosure List.

## US Federal

### TSCA

CAS# 16925-25-0 is listed on the TSCA Inventory.

### Section 16 - Other Information

MSDS Creation Date: 3/09/1999

Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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