

**Section 1 - Chemical Product and Company Identification**

**MSDS Name:** 3-Aminobenzenesulfonyl fluoride hydrochloride, 98%  
**Catalog Numbers:** AC159930000, AC159930050, AC159930100, AC159930250  
**Synonyms:** Metanilyl fluoride hydrochloride.  
**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#:** 3887-48-7  
**Chemical Name:** Benzenesulfonyl fluoride, 3-amino-, hydrochloride  
**%:** 98  
**EINECS#:** 223-429-7  
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**Hazard Symbols:** C



**Risk Phrases:** 34

**Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**

Danger! Causes eye and skin burns. Causes digestive and respiratory tract burns. Long-term exposure may cause bone and joint changes. Reacts with water to produce toxic and corrosive hydrogen fluoride.  
Target Organs: Skeletal structures, eyes, skin, mucous membranes.

**Potential Health Effects**

**Eye:** Causes eye burns.  
**Skin:** Causes skin burns. Burns caused by weak hydrofluoric acid may go unnoticed for several hours. Therefore, first aid procedures must be followed if any contact is suspected.  
**Ingestion:** Causes gastrointestinal tract burns. Systemic fluoride toxicity from exposure to hydrofluoric acid may result in severe hypocalcemia (depletion of calcium in the blood), hypomagnesemia, hyperkalemia, metabolic acidosis, cardiac dysrhythmias, and death.  
**Inhalation:** Causes chemical burns to the respiratory tract.  
**Chronic:** Chronic inhalation and ingestion may cause chronic fluoride poisoning (fluorosis) characterized by weight loss, weakness, anemia, brittle bones, and stiff joints. Effects may be delayed. Chronic exposure to fluoride compounds may cause systemic toxicity.

#### Section 4 - First Aid Measures

- Eyes:** Get medical aid. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).
- Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.
- Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
- Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
- Notes to Physician:** Treat symptomatically and supportively.

#### 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. Reacts with water to form acidic gases which when in contact with metal may liberate flammable hydrogen gas.
- Extinguishing Media:** Use foam, dry chemical, or carbon dioxide.
- Autoignition:** Not applicable.
- Temperature:**
- Flash Point:** Not applicable.
- Explosion:** Not available
- Limits: Lower:**
- Explosion:** Not available
- Limits: Upper:**
- NFPA Rating:** ; Special Hazard: -W-

#### 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. Avoid generating dusty conditions. Provide ventilation. Do not expose spill to water.

#### Section 7 - Handling and Storage

- Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not allow water to get into the container because of violent reaction. Minimize dust generation and accumulation. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Discard contaminated shoes.
- Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Water free area - refrigerator.

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

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits** +-----+-----+

+-----+-----+  
| Chemical Name | ACGIH | NIOSH | OSHA -

Final PELs			
Benzenesulfonyl fluoride, 3-amino-, hydrochloride	none listed	none listed	none listed

OSHA Vacated PELs: Benzenesulfonyl fluoride, 3-amino-, hydrochloride: None listed

**Personal Protective Equipment**

- Eyes:** Wear chemical splash goggles.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Section 9 - Physical and Chemical Properties**

- Physical State:** Powder
- Color:** pink to brown
- Odor:** none reported
- 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:** 200 deg C (dec)
- Decomposition Temperature:**
- Solubility in water:** Reacts
- Specific Gravity/Density:**
- Molecular Formula:** C6H6FNO2S.HCl
- Molecular Weight:** 211.64

**Section 10 - Stability and Reactivity**

- Chemical Stability:** Reacts vigorously with water to form toxic hydrogen fluoride (hydrofluoric acid). If confined and wet, explosions can result.
- Conditions to Avoid:** Dust generation, moisture, excess heat.
- Incompatibilities with Other Materials:** Water, strong oxidizing agents.
- Hazardous Decomposition Products:** Carbon monoxide, oxides of nitrogen, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide, hydrogen fluoride gas.
- Hazardous Polymerization:** Has not been reported.

**Section 11 - Toxicological Information**

- RTECS#:** CAS# 3887-48-7: None listed
- LD50/LC50:** RTECS: Not available.
- Carcinogenicity:** Benzenesulfonyl fluoride, 3-amino-, hydrochloride - 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: Please contact Fisher Scientific for shipping information

Hazard Class:

UN Number:

Packing Group:

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: C

Risk Phrases:

R 34 Causes burns.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 3887-48-7: Not available

Canada

CAS# 3887-48-7 is listed on Canada's NDSL List

Canadian WHMIS Classifications: E, F

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# 3887-48-7 is not listed on Canada's Ingredient Disclosure List.

#### US Federal

TSCA

CAS# 3887-48-7 is listed on the TSCA

Inventory.

### Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #8 Date 2/02/2006

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.