

**MATERIAL SAFETY DATA SHEET**  
**4-(2-Aminoethyl)-benzenesulfonyl fluoride Hydrochloride, Cat. #401**

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**SECTION 1 - PRODUCT INFORMATION**

Product ID: 4-(2-Aminoethyl)-benzenesulfonyl fluoride Hydrochloride, Cat. # 401  
CAS # 30827-99-7

Synonyms: AEBSF

Product Use: Non-reversible serine protease inhibitor

**SECTION 2 - INGREDIENTS**

4-(2-Aminoethyl)-benzenesulfonyl fluoride Hydrochloride, C<sub>8</sub>H<sub>10</sub>FNO<sub>2</sub>S • HCl

**SECTION 3 - PHYSICAL PROPERTIES**

Form/Appearance:	White powder	
	Typical Low-RANGE-High	Unit of Measure
Spc. Gravity:	NOT AVAILABLE	
Bulk Density:	NOT AVAILABLE	
Viscosity:	NOT AVAILABLE	
pH:	NOT AVAILABLE	pH
	Typical Low-RANGE-High	Deg. @ Pressure
Boiling Pt:	NOT AVAILABLE	C 1.0 ATMOSPHERES
Melting Pt:	180 – 181.5	C 1.0 ATMOSPHERES
Decomp. Tmp:	NOT AVAILABLE	
Molecular Wt:	239.7	g
Solubility in Water Description:	Soluble	

**SECTION 4 - FIRE AND EXPLOSION DATA**

Flash Point: NOT AVAILABLE  
Autoignition: NOT AVAILABLE

Extinguishing Media:  
Use water fog, foam, CO<sub>2</sub> or dry chemical extinguishing media.

Fire Fighting Procedures:  
Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:  
Emits toxic fumes under combustion.

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Additional Fire and Explosion Data:

Decomposition products are carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, hydrogen chloride gas, hydrogen fluoride. Hazardous polymerization will not occur.

SECTION 5 - HEALTH EFFECTS
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Acute Overexposure Effects:

Contact with the eyes may result in irritation. Prolonged or repeated skin contact may result in irritation. Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances. There are no other known acute effects associated with this material.

Chronic Overexposure Effects:

There are no known chronic effects associated with this material.

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid Procedures - Eyes:

Immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, wash out mouth and give water. Never give fluids or induce vomiting if the victims unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Special Precautions:

None known.

SECTION 6 - REACTIVITY DATA
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Reactivity - Stability Data:

Stable at room temperature or less. Aqueous solutions are stable for several days @ 25 °C, below pH 7. Will slowly lose activity upon exposure to water or water vapor

Reactivity - Incompatibility:

Strong bases. Strong oxidizing agents.

Reactivity - Conditions/Hazards to Avoid:

None known.

Reactivity - Hazardous Decomposition/Polymerization:

Hazardous decomposition products: None known.

Polymerization: Does not occur.

Reactivity - Corrosive Properties:

Not corrosive.

Reactivity - Oxidizer Properties:

Not an oxidizer.

Other Reactivity Data:

None known.

SECTION 7 - PERSONAL PROTECTION
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Personal Protection - Clothing:

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Glove, coveralls, apron, boots as necessary to prevent skin contact.

Personal Protection - Eyes:

Chemical goggles; also wear a face shield if splashing hazard exists.

Personal Protection - Respiration:

Wear a NIOSH approved respirator.

Personal Protection - Ventilation:

Use adequate ventilation. Do not breathe dust.

Other Personal Protection Data:

None under normal conditions.

SECTION 8 - SPILL / LEAK PROCEDURES
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Spill/Leak Procedures - General:

Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean up.

Spill/Leak Procedures - Waste Disposal:

Incinerate or bury as a solid in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Spill/Leak Procedures - Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Other Spill/leak Procedures:

No other spill procedures necessary.

SECTION 9 - STORAGE AND HANDLING
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Storage and Handling - General:

Store at ambient temperature or below.

Other Storage and Handling Data:

Our research shows that Bio-Research Products AEBSF is stable for several months at room temperature.

SECTION 10 - REGULATORY INFORMATION
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TSCA Inventory Status: This product is a pure compound. Not listed.

CERCLA Reportable Qty: NONE

DOT:	Shipping Name	Corrosive solid, acidic, organic, n.o.s.
	UN#	3261
	Class	8
	Packing Group	II
	PIH	not PIH
IATA:		Same as DOT

European: Use caution. Material has not been fully evaluated.

Hazard Ratings:

Health:	Fire:	Reactivity:	Special:
2	0	2	

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