

## Safety Data Sheet


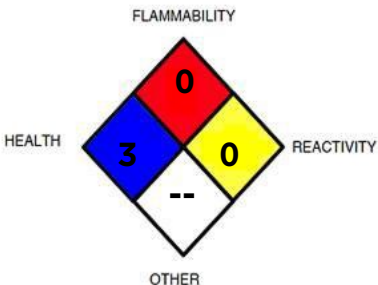
### Section 1: Product & Company Identification

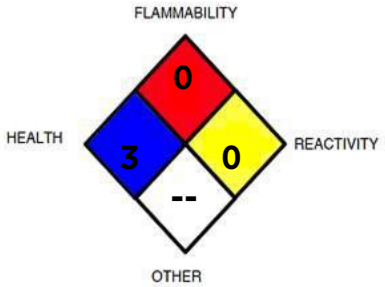
<b>Product Name:</b>	AEBSF HCl
<b>Product #:</b>	A-1018
<b>Synonyms:</b>	AEBSF hydrochloride; AEBSF; Pefabloc; Pefabloc SC; 4-(2-Aminoethyl)benzenesulfonyl fluoride hydrochloride
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
AEBSF HCl	30827-99-7	-	100

### Section 3: Hazards Identification

<b>Symbols</b>	
<b>HMIS Classification</b>	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

<b>NFPA Classification</b>	
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## Section 4: First Aid Measures

<b>General Overview:</b>	Immediate medical attention is required.
<b>Inhalation:</b>	Remove to fresh air Call a physician or poison control center immediately If not breathing, give artificial respiration If breathing is difficult, give oxygen.
<b>Skin:</b>	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eyes:</b>	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Ingestion:</b>	Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control center immediately.
	See section 11 for more detailed information on health effects & symptoms

## SECTION 5: Fire Fighting Measures

<b>Flammability of the product:</b>	No data available
<b>Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Hazardous thermal (de)composition products:</b>	Hydrogen sulfide, Hydrogen fluoride, Carbon oxides, Nitrogen oxides (NOx)
<b>Special Fire Fighting Procedures:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Flash Point:</b>	No data available


## Section 6: Accidental Release Measures




<b>Personal Precautions:</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.
<b>Environmental Precautions:</b>	Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.
<b>Methods for Clean-up:</b>	Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust. Dam up. After cleaning, flush away traces with water.

## SECTION 7: Handling & Storage

<b>Storage:</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers. Protect from moisture. Store at 4 °C.
<b>Handling:</b>	Use personal protective equipment as required. Avoid contact with skin, eyes, or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems. Handle in accordance with good industrial hygiene and safety practice. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.

## SECTION 8: Exposure controls / Personal Protection

<b>Respiratory Protection:</b>	 <p>If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.</p>
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<b>Skin and Body:</b>	  <p>Wear protective gloves and protective clothing.</p>
<b>Eyes:</b>	 <p>Tight sealing safety goggles. Face protection shield.</p>
<b>Ventilation/Engineering Measures:</b>	Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hygiene:</b>	When using do not eat, drink, or smoke. Wash contaminated clothing before reuse. Keep away from food, drink, and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes, or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.
<b>Other:</b>	N/A

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	White to off-white powder
<b>Formula</b>	$C_8H_{10}FNO_2S \cdot HCl$
<b>Molecular Wt.</b>	239.69
<b>Melting Pt.</b>	No data available
<b>Boiling Pt.</b>	No data available
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	Clear colorless solution at 50 mg/mL in water
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable under proper storage conditions.
<b>Hazardous decomposition products:</b>	Hydrogen chloride gas, Nitrogen oxides, Carbon monoxide, Carbon dioxide, Sulfur oxides, Hydrogen fluoride gas
<b>Materials to Avoid:</b>	Strong oxidizing agents and strong bases
<b>Conditions to avoid:</b>	Fire, excessive heat, water/moist air exposure

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	N/A
<b>ACUTE Toxicity:</b>	Causes severe irritation and or burns. Ingestion causes severe swelling, severe damage to tissue and possible perforation.
<b>CHRONIC Toxicity:</b>	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	<p>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.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or, anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or, potential human carcinogen by OSHA.</p> <p>EPA: Waste number D002</p>

## SECTION 12: Ecological Information

<b>Ecotoxicity:</b>	May cause long lasting harmful effects to aquatic life.
<b>Mobility:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other adverse effects:</b>	No data available

<b>Corrosivity Characteristic:</b>	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.
<b>General Notes:</b>	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## SECTION 13: Disposal Considerations

<b>Residue Waste or Unused product:</b>	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Waste codes should be assigned by the user based on the application for which the product was used. EPA waste number D002
<b>Contaminated Packaging:</b>	Do not reuse container. Waste codes should be assigned by the user based on the application for which the product was used. EPA waste number D002

## SECTION 14: Transportation Information

<b>UN ID#:</b>	UN3261
<b>ADR / RID (LAND):</b>	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S., Class 8 Packing II
<b>DOT regulations:</b>	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S., 4-(2-Aminoethyl)benzenesulfonyl fluoride Class 8 Packing II
<b>IMDG/IMO (SEA):</b>	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S., Class 8 Packing II
<b>IATA/DGR (AIR):</b>	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S., Class 8 Packing II
<b>Special Provisions:</b>	N/A

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	H314: causes severe skin burns and damage cat. 1B H318 causes serious eye damage cat. 1
<b>Risk Phrases:</b>	N/A
<b>Safety Phrases:</b>	N/A
<b>EU Regulations:</b>	N/A
<b>US Regulations:</b>	TSCA: No products were found California Proposition 65: No products were found
<b>U.S. Federal Regulations:</b>	SARA 302/304/311/312 extremely hazardous substances: No products were found SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found.

	<p>Clean Water Act (CWA) 307: No products were found.          Clean Water Act (CWA) 311: No products were found.          Clean Air Act (CAA) 112 accidental release prevention: No products were found.          Clean Air Act (CAA) 112 regulated flammable substances: No products were found.          Clean Air Act (CAA) 112 regulated toxic substances: No products were found.          OSHA: Skin corrosion/irritation (Cat. 1); Serious eye damage (Cat. 1)</p>
<b>WHMIS (Canada):</b>	N/A

## **SECTION 16: Other Information**

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*