

Safety Data Sheet


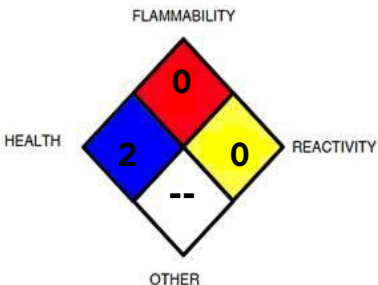
Section 1: Product & Company Identification

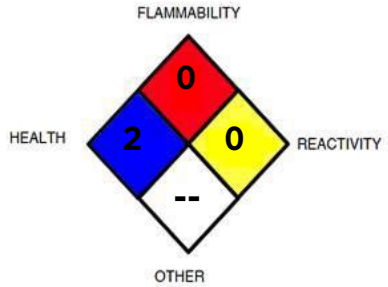
Product Name:	Protease Inhibitor Cocktail II
Product #:	P-1511
Synonyms:	-
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	Concentration
AEBSF HCl	30827-99-7	200 mM
Bestatin	58970-76-6	1.7 mM
E-64	66701-25-5	200 μ M
EDTA disodium	6381-92-6	800 mM
Pepstatin A	26305-03-3	2 mM

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p>FLAMMABILITY</p>  <p>HEALTH REACTIVITY</p> <p>OTHER</p>

NFPA Classification	
----------------------------	---

Section 4: First Aid Measures

General Overview:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin:	Wash off with soap and plenty of water.
Eyes:	Flush eyes with water as precaution.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Not flammable or combustible.
Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus for firefighting if necessary.
Flash Point:	No data available




Section 6: Accidental Release Measures

Personal Precautions:	Avoid dust formation. Avoid breathing vapors, mist, gas, or dust. Ensure adequate ventilation.
Environmental Precautions:	Do not let product enter drains.
Methods for Clean-up:	Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling & Storage

Storage:	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20 °C.
Handling:	Provide appropriate exhaust ventilation at places where dust is formed.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p>
Skin and Body:	  <p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).</p>

Eyes:	 <p>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White lyophilized solid
Formula	N/A
Molecular Wt.	N/A
Melting Pt.	No data available
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Reconstitute each vial with 1 mL DMSO and 4 mL water to obtain a 5 mL stock solution.
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	No data available
Materials to Avoid:	Strong oxidizing agents, strong acids, strong bases
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	N/A
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<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: No classification on carcinogenic data is available from EPA</p>

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Observe all federal, state, and local environmental regulations.
Contaminated Packaging:	Dispose of as unused product.

SECTION 14: Transportation Information

UN ID#:	3261 (AEBSF)
ADR / RID (LAND):	N/A

DOT regulations:	UN number: 3261 (AEBSF) Class: 8 Packing group: II Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride) Marine pollutant: No Poison Inhalation Hazard: No
IMDG/IMO (SEA):	UN number: 3261 (AEBSF) Class: 8 Packing group: II EMS-No: F-A, S-B Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride) Marine pollutant: No
IATA/DGR (AIR):	UN number: 3261 (AEBSF) Class: 8 Packing group: II Proper shipping name: Corrosive solid, acidic, organic, n.o.s. (4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride)
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	H302: Harmful if swallowed H314: Causes severe skin burns and eye damage
Risk Phrases:	R34: Causes burns R36+R37+R38: Irritating to eyes, respiratory system, and skin.
Safety Phrases:	P280: Wear protective gloves/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/ physician. S24+S25: Avoid contact with skin and eyes S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36+S37+S39: Wear suitable protective clothing, gloves, and eye/face protection. S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
EU Regulations:	N/A
US Regulations:	TSCA: No products listed California Proposition 65: No products listed Pennsylvania State Right to Know: [4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride], CAS-No. 30827-99-7 New Jersey State Right to Know: [4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride], CAS-No. 30827-99-7

U.S. Federal Regulations:	<p>SARA 302/304/311/312 extremely hazardous substances: No products were found</p> <p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 302/304/311/312 hazardous chemicals: No products were found.</p> <p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: 4-(2-Aminoethyl) benzenesulfonyl fluoride hydrochloride]: Acute health hazard</p> <p>SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found.</p> <p>Clean Water Act (CWA) 311: No products were found.</p> <p>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.</p> <p>OSHA: Target Organ Effect, Corrosive</p>
WHMIS (Canada):	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.*