

Safety Data Sheet


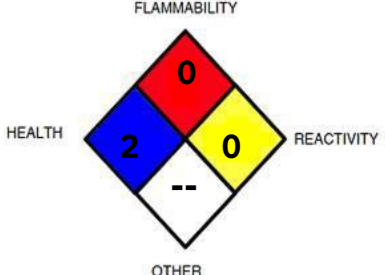
Section 1: Product & Company Identification

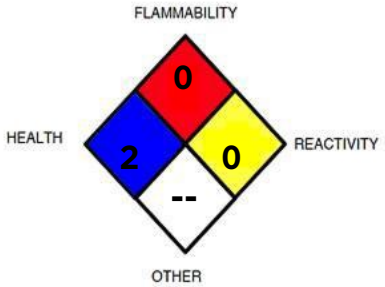
Product Name:	Protease Inhibitor Cocktail V, EDTA-Free
Product #:	P-1514
Synonyms:	-
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	MW	Concentration	Chemical Formula
AEBSF HCl	30827-99-7	239.69	500 µM	C ₈ H ₁₀ FNO ₂ · HCl
Aprotinin	9087-70-1	-	150 nM	-
E-64	66701-25-5	357.41	1 µM	C ₁₅ H ₂₇ N ₅ O ₅
Leupeptin hemisulfate	103476-89-7	475.59	1 µM	C ₂₀ H ₃₈ N ₆ O ₄ · ½ H ₂ SO ₄

Section 3: Hazards Identification

Symbols	 <p>Flammable liquids (Category 4) Skin corrosion (Category 1B) Serious eye damage (Category 1)</p>
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">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:	Hazardous combustion products formed under fire conditions— not 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.

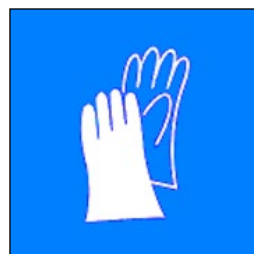
SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:



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).

Skin and Body:



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.

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).

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. Avoid breathing vapors, mist, gas, or dust.
Hygiene:	General industrial hygiene 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:	Soluble in water
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:	No data available

CHRONIC Toxicity:	No data available
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	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. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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:	N/A

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
ADR / RID (LAND):	N/A
DOT regulations:	DOT (US) UN number: 3261 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):	IMDG UN number: 3261 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):	IATA UN number: 3261 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:	Combustible Liquid, Target Organ Effect, Corrosive Flammable liquids (Category 4) Skin corrosion (Category 1B) Serious eye damage (Category 1) H302: Harmful if swallowed H314: Causes severe skin burns and eye damage
Risk Phrases:	R34
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. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36 Wear suitable protective clothing S37 Wear suitable gloves S39 Wear eye/face protection S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
EU Regulations:	R34 S26, S36/37/39, S45
US Regulations:	TSCA: N/A California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components: [4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride], CAS-No. 30827-99-7. New Jersey Right To Know Components: [4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride], CAS-No. 30827-99-7.
U.S. Federal Regulations:	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: [4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride: Acute health hazard.

	<p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: [4-(2-Aminoethyl) benzenesulfonylfluoride hydrochloride: Acute health hazard</p> <p>SARA 313 toxic chemicals notification and release reporting: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.</p> <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: 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.*