

# A.G. Scientific, Inc.

6450 Lusk Blvd. Suite E102  
SAN DIEGO, CA  
92121



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MATERIAL SAFETY DATA SHEET

Date Updated: 05/10/2010

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Section 1 - Product and Company Information

Product Name: PROTEASE INHIBITOR COCKTAIL VI  
Product Number: P1515

Company: A.G. Scientific, Inc.  
Address: 6450 Lusk Blvd, Ste. E102  
San Diego, CA 92121 US

Technical Phone: 858-452-9925  
Fax: 858-452-9926

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Section 2 - Composition/Information on Ingredient

Substance Name	CAS #	
PROTEASE INHIBITOR COCKTAIL VI		None
Ingredient Name	CAS #	R-Phrases
AEBSF. HCl	30827-99-7	R36/37/38
Bestatin. HCl	65391-42-6	R36/37/38
Leupeptin	103476-89-7	R20/21/22-63
EDTA	60-00-4	R36
E-64	66701-25-5	R36/37/38
Aprotinin	9087-70-1	R42/43

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Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin.

HMIS RATING

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

NFPA RATING

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

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Section 4 - First Aid Measures  
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ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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Section 5 - Fire Fighting Measures  
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FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

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Section 6 - Accidental Release Measures  
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METHODS FOR CLEANING UP

Scoop up material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

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Section 7 - Handling and Storage  
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HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed.

Store at 2-8°C

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Section 8 - Exposure Controls / PPE  
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ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand: Protective gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

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Section 9 - Physical/Chemical Properties  
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Appearance Physical State: Solid

Color: White

Property	Value
Molecular Weight	N/A
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Solubility	Water

N/A = not available

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Section 10 - Stability and Reactivity  
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STABILITY

Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur  
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Section 11 - Toxicological Information  
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ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
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Section 12 - Ecological Information  
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No data available.  
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Section 13 - Disposal Considerations  
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APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.  
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Section 14 - Transport Information  
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DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.  
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## Section 15 - Regulatory Information

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### EU ADDITIONAL CLASSIFICATION

S: 24/25-23

Safety Statements: Avoid contact with skin and eyes. Do not inhale.

### US CLASSIFICATION AND LABEL TEXT

Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves.

### UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

### CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

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## Section 16 - Other Information

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### DISCLAIMER

For R&D use only. Not for drug, household or other uses.

### WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. A.G. Scientific, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.

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