

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	Bafilomycin B1
Product #:	B-1185
Synonyms:	Setamycin
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 #	EC #	% Composition
Bafilomycin B1	88899-56-3	635-481-1	

Section 3: Hazards Identification

Symbols	
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
4		0	0

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
4	0	0

Section 4: First Aid Measures

General Overview:	Immediately remove any clothing soiled by the product. Remove breathing apparatus only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.
Inhalation:	Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.

Skin:	Immediately wash with water and soap and rinse thoroughly.
Eyes:	Rinse opened eyes for several minutes under running water. Then consult a doctor.
Ingestion:	Do not induce vomiting; immediately call for medical help.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Product is not flammable
Extinguishing Media:	Use firefighting measures that suit the environment. A solid water stream may be inefficient.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	Mouth respiratory protective device.
Flash Point:	No data available

Section 6: Accidental Release Measures





Personal Precautions:	Not required
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Methods for Clean-up:	Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: -20°C
Handling:	Thorough dedusting. Ensure good ventilation/exhaustion at the workplace. Open and handle the receptacle with care. Keep respiratory protective device available.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	
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	 <p>In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.</p>
Skin and Body:	  <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Not required</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	<p>Keep away from foodstuffs, beverages and feed.</p> <p>Immediately remove all soiled and contaminated clothing.</p> <p>Wash hands before breaks and at the end of work.</p> <p>Store protective clothing separately.</p>
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid. Characteristic odor.
Formula	$C_{44}H_{65}NO_{13}$
Molecular Wt.	816
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 ethanol, methanol, DMF or DMSO. Poor water solubility. NOTE: forms methyl ketal on long term storage in methanol.
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Carbon dioxide, carbon monoxide, nitrogen oxides
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	NG8841000
ACUTE Toxicity:	Oral TDLO = 473 µg/kg (mouse) Intraperitoneal LDLo = 1,250 µg/kg (mouse)
CHRONIC Toxicity:	N/A
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. 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. 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. 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. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
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:	No data available

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated Packaging:	Disposal must be made according to official regulations.

SECTION 14: Transportation Information

UN ID#:	UN2811
ADR / RID (LAND):	N/A
DOT regulations:	<p>Toxic solids, organic, n.o.s. (Bafilomycin B1) Class 6.1 Toxic substances Label 6.1 Packing Group I</p> <p>Quantity limitations On passenger aircraft/rail: 5 kg On cargo aircraft only: 50 kg</p>
IMDG/IMO (SEA):	<p>TOXIC SOLID, ORGANIC, N.O.S. (Bafilomycin B1) Class 6.1 Toxic substances Label 6.1 Packing Group I</p> <p>Limited quantities (LQ): 0 Excepted quantities (EQ): Code: E5 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 300 g</p>
IATA/DGR (AIR):	<p>Toxic solid, organic, n.o.s. (Bafilomycin B1) Class 6.1 Toxic substances Label 6.1 Packing Group I</p> <p>Remarks: When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Good/Excepted Quantity.</p>

Special Provisions:	Special precautions for user Warning: Toxic substances · Hazard identification number (Kemler code): 66 · EMS Number: F-A,S-A · Stowage Category B
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SECTION 15: Regulatory Information

Health Phrases:	Danger! H300+H310+H330 Fatal if swallowed, in contact with skin or if inhaled.
Risk Phrases:	P260 Do not breathe dust/fume/gas/mist/vapors/spray. P262 Do not get in eyes, on skin, or on clothing. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves / protective clothing. P284 [In case of inadequate ventilation] wear respiratory protection.
Safety Phrases:	P301+P310 If swallowed: Immediately call a poison center/doctor. P330 Rinse mouth. P302+P352 If on skin: Wash with plenty of water. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. P320 Specific treatment is urgent (see on this label). P361+P364 Take off immediately all contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: 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. 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:



WHMIS (Canada):	N/A
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SECTION 16: Other Information

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