

Safety Data Sheet


Section 1: Product & Company Identification

Product Name:	Antimycin A Complex
Product #:	A-1268
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 #	EC #	% Composition
Antimycin A Complex	1397-94-0		

Section 3: Hazards Identification

Symbols	
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard

Section 4: First Aid Measures

General Overview:	Show this material safety data sheet to the doctor in attendance.
Inhalation:	Fresh air.
Skin:	Take off all contaminated clothing immediately. Rinse skin with water/shower.
Eyes:	Rinse out eyes with plenty of water. Remove contact lenses.

Ingestion:	Give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20-40 g in a 10% slurry) and consult a doctor as quickly as possible.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Combustible
Extinguishing Media:	Water, foam, carbon dioxide, dry powder
Hazardous thermal (de)composition products:	Nature of decomposition products is not known. Development of hazardous combustion gases or vapors possible in the event of fire.
Special Fire Fighting Procedures:	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Flash Point:	No data available





Section 6: Accidental Release Measures

Personal Precautions:	Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
Environmental Precautions:	Do not let product enter drains.
Methods for Clean-up:	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling & Storage

Storage:	Tightly closed. Dry. Moisture sensitive. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Recommended storage temperature: -20°C Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials
Handling:	For precautions see section 2

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Respiratory protection required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.</p>
Skin and Body:	  <p>Protective clothing.</p>
Eyes:	 <p>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses</p>
Ventilation/Engineering Measures:	Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.
Hygiene:	The usual precautionary measures for handling chemicals should be followed.
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White powder
Formula	C ₂₈ H ₄₀ N ₂ O ₉ (for A ₁)
Molecular Wt.	548.6

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:	Ethanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	<p>The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.</p> <p>The product is chemically stable under standard ambient conditions (room temperature).</p>
Hazardous decomposition products:	No data available
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	Avoid moisture

SECTION 11: Toxicological Information

RTECS#:	CD0350000
ACUTE Toxicity:	LD50 Oral = 28 mg/kg (rat)
CHRONIC Toxicity:	<p>Germ cell mutagenicity:</p> <ul style="list-style-type: none"> • Test Type: Mouse • Test system: lymphocyte • Remarks: DNA inhibition • Test Type: Mouse • Test system: lymphocyte • Remarks: Other mutation test systems
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>
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SECTION 12: Ecological Information

Ecotoxicity:	<p>Toxicity to fish:</p> <ul style="list-style-type: none"> Pimephales promelas (fathead minnow): LC50 = 0.18 µg/L (96 h) <p>Toxicity to daphnia and other aquatic invertebrates:</p> <ul style="list-style-type: none"> Daphnia magna (water flea): EC50 = 5 µg/L (48 h)
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:	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste.
Contaminated Packaging:	Handle uncleaned containers like the product itself.

SECTION 14: Transportation Information

UN ID#:	3462
ADR / RID (LAND):	N/A
DOT regulations:	<p>UN: 3462</p> <p>Class: 6.1</p> <p>Packing Group: II</p> <p>Proper Shipping Name: Toxins, extracted from living sources, solid, n.o.s. (Antimycin A)</p> <p>Poison Inhalation Hazard: No</p>
IMDG/IMO (SEA):	<p>UN: 3462</p> <p>Class 6.1</p> <p>Packing Group: II</p> <p>EMS-No: F-A, S-A</p>

	Proper Shipping Name: TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (Antimycin A) Marine Pollutant: Yes
IATA/DGR (AIR):	UN: 3462 Class: 6.1 Packing Group: II Proper Shipping Name: Toxins, extracted from living sources, solid, n.o.s. (Antimycin A)
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Danger! H300 Fatal if swallowed. H410 Very toxic to aquatic life with long lasting effects.
Risk Phrases:	P264 Wash skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P273 Avoid release to the environment.
Safety Phrases:	P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found Massachusetts State Right to Know: Listed Pennsylvania State Right to Know: Listed
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: Antimycin A (CAS 1397-94-0) SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard 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: Acute toxicity, oral (Cat. 2); Short term (acute) aquatic hazard (Cat. 1); Long term (chronic) aquatic hazard (Cat. 1)
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.*