

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	Albofungin
Product #:	A-1292
Synonyms:	Antibiotic P42-1; Antibiotic P42-C
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
Albofungin	37895-35-5	-	≥ 95

Section 3: Hazards Identification

Symbols



HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
0	0	0	0

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
0	0	0

Section 4: First Aid Measures

General Overview:	May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin:	Generally, the product does not irritate the skin.

Eyes:	Rinse opened eyes for several minutes under running water.
Ingestion:	If symptoms persist consult a doctor.
	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:	No data available
Flash Point:	No data available


Section 6: Accidental Release Measures




Personal Precautions:	Not required.
Environmental Precautions:	Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
Methods for Clean-up:	Pick up mechanically.

SECTION 7: Handling & Storage

Storage:	Keep away from sources of ignition. Recommended storage temperature: -20°C
Handling:	No special precautions are necessary if used correctly. Avoid breathing dust, fumes, gas, mist, vapors, or spray. Avoid prolonged or repeated exposure. Take precautionary measures against static discharge.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	
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	Not required.
Skin and Body:	  <p>Lab coat and protective gloves.</p>
Eyes:	 <p>Not required.</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	The usual precautionary measures for handling chemicals should be followed.
Other:	

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid. Characteristic odor.
Formula	$C_{27}H_{24}N_2O_9$
Molecular Wt.	520.5
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:	DMF, DMSO, Ethanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
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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#:	ZD5706000
ACUTE Toxicity:	LD50 Subcutaneous = 550 µg/kg (mouse) LD50 Intraperitoneal = 2 mg/kg (mouse) LD50 Intravenous = 0.375 mg/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 2 (self-assessment): very toxic for fish, hazardous for water. Do not allow product 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#:	3077
ADR / RID (LAND):	
DOT regulations:	<p>UN#: 3077 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Albofungin) Class: 9 Miscellaneous dangerous substances and articles Label: 9 Packing Group: III</p> <p>Quantity Limitations:</p> <ul style="list-style-type: none"> • On passenger aircraft/rail: 400 kg • On cargo aircraft only: 400 kg
IMDG/IMO (SEA):	<p>UN#: 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Albofungin) Class: 9 Miscellaneous dangerous substances and articles Label: 9 Packing Group: III</p> <p>Limited quantities (LQ): 5 kg Excepted quantities (EQ): Code: E1</p> <ul style="list-style-type: none"> • Maximum net quantity per inner packaging: 30 g • Maximum net quantity per outer packaging: 1,000 g
IATA/DGR (AIR):	<p>UN#: 3077 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Albofungin) Class: 9 Miscellaneous dangerous substances and articles Label: 9 Packing Group: III Environmental hazards: Symbol (fish and tree)</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 Goods/Excepted Quantity.</p>
Special Provisions:	<p>Warning: Miscellaneous dangerous substances and articles Hazard identification (Kemler code): 90 EMS Number: F-A,S-F Stowage Category: A</p>

	<p>Stowage Code: SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.</p> <p>UN "Model Regulation": UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ALBOFUNGIN), 9, III</p>
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SECTION 15: Regulatory Information

Health Phrases:	<p>Warning!</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
Risk Phrases:	<p>P273 Avoid release to the environment.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations</p>
Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	<p>TSCA: Not listed</p> <p>California Proposition 65: No products were found</p>
U.S. Federal Regulations:	<p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found.</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: Aquatic Acute (Cat. 1), Aquatic Chronic (Cat. 1)</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

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