

## Safety Data Sheet


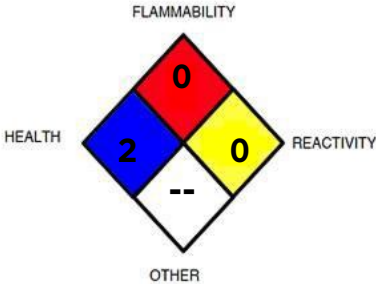
### Section 1: Product & Company Identification

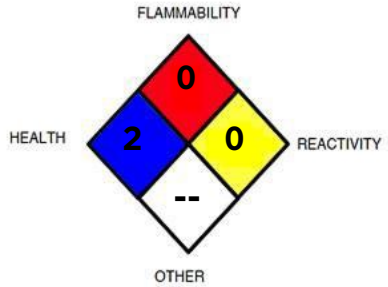
<b>Product Name:</b>	Amphotericin B, USP Grade
<b>Product #:</b>	A-1077
<b>Synonyms:</b>	Fungizone; Fungilin; Ampho-Moronal
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS#	EC #
Amphotericin B	1397-89-3	215-742-2

### Section 3: Hazards Identification

<b>Symbols</b>	
<b>HMIS Classification</b>	<p>FLAMMABILITY</p>  <p>HEALTH      REACTIVITY</p> <p>OTHER</p>

<b>NFPA Classification</b>	
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## Section 4: First Aid Measures

<b>General Overview:</b>	Consult a doctor/physician if exposed - additional medical care may be required. Show this Safety Data Sheet to the medical provider.
<b>Inhalation:</b>	If inhaled, move to fresh air. If not breathing, give artificial respiration and immediately call local emergency telephone number.
<b>Skin:</b>	Wash skin thoroughly with soap and water.
<b>Eyes:</b>	Flush eye with water. After initial flush, remove any contact lenses and continue flushing for at least 15 minutes.
<b>Ingestion:</b>	Rinse mouth with water. Immediately call a doctor, physician, or poison control center. Never give anything by mouth to an unconscious person.
	See section 11 for more detailed information on health effects & symptoms.

## SECTION 5: Fire Fighting Measures

<b>Flammability of the product:</b>	No data available
<b>Extinguishing Media:</b>	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide
<b>Hazardous thermal (de)composition products:</b>	Formed under fire conditions: carbon and nitrogen oxides, carbon monoxide, hydrogen peroxide.
<b>Special Fire Fighting Procedures:</b>	Wear self-contained breathing apparatus.
<b>Flash Point:</b>	No data available

## Section 6: Accidental Release Measures




<b>Personal Precautions:</b>	Evacuate personnel to a safe location. Use appropriate personal protective equipment while in contact with product. Avoid dust formation. Ensure adequate ventilation. Prevent contamination of skin, eyes, and clothing with appropriate protective equipment (Section 8). Wear respiratory protection
<b>Environmental Precautions:</b>	Prevent spillage - do not let product enter drains.


<b>Methods for Clean-up:</b>	Recover waste, if possible, and place in suitable closed container for licensed disposal.
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## SECTION 7: Handling & Storage

<b>Storage:</b>	Store in a tightly closed container. Protect from humidity. Recommended storage temperature: 2-8°C.
<b>Handling:</b>	Wear appropriate protective clothing/gear to prevent contact with skin and eyes. Provide exhaust ventilation or respiratory protection in areas where dust is formed.

## SECTION 8: Exposure controls / Personal Protection

<b>Respiratory Protection:</b>	 <p>Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p>
<b>Skin and Body:</b>	  <p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands.</p> <p>Handle with gloves. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace. When deemed needed</p>

	according to the concentration and amount of this product, use a complete body suit.
<b>Eyes:</b>	 <p>Use a face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).</p>
<b>Ventilation/Engineering Measures:</b>	Ensure adequate ventilation. Do not let product enter drains.
<b>Hygiene:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Other:</b>	Contains no substances with occupational exposure limit values.

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	Yellow to orange powder
<b>Formula</b>	$C_{47}H_{73}NO_{17}$
<b>Molecular Wt.</b>	924.08
<b>Melting Pt.</b>	170°C
<b>Boiling Pt.</b>	No data available
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	DMSO, DMF
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous decomposition products:</b>	Carbon and nitrogen oxides, carbon monoxide, hydrogen peroxide
<b>Materials to Avoid:</b>	Strong oxidizing agents
<b>Conditions to avoid:</b>	No data available

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	N/A
<b>ACUTE Toxicity:</b>	LD50 Oral = >5,000 mg/kg (Rat) LD50 Intraperitoneal = >5,000 mg/kg (Rat) LD50 Intravenous = 1.6 mg/kg (Rat)
<b>CHRONIC Toxicity:</b>	N/A
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	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

<b>Ecotoxicity:</b>	No data available
<b>Mobility:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other adverse effects:</b>	No data available
<b>Corrosivity Characteristic:</b>	No data available
<b>General Notes:</b>	In the absence of complete ecological information, treat product as environmentally hazardous. Use proper storage, handling, and disposal to prevent unintentional release into the environment.

## SECTION 13: Disposal Considerations

<b>Residue Waste or Unused product:</b>	Dispose of product through a licensed disposal company.
<b>Contaminated Packaging:</b>	Dispose of as unused product.

## SECTION 14: Transportation Information

<b>UN ID#:</b>	N/A
<b>ADR / RID (LAND):</b>	Not regulated
<b>DOT regulations:</b>	Not regulated
<b>IMDG/IMO (SEA):</b>	Not regulated
<b>IATA/DGR (AIR):</b>	Not regulated
<b>Special Provisions:</b>	N/A

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation
<b>Risk Phrases:</b>	P261 Avoid breathing dust/fumes/gas/mist/vapors/spray. P264 Wash hands/skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Safety Phrases:</b>	P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment, see applicable response statements on this label P332+P313 IF SKIN irritation occurs: Get medical advice/attention. P337 If eye irritation persists: P313 Get medical advice/attention. P362 Take off contaminated clothing. P403+P233 Store in a well-ventilated place. Keep container tightly closed P405 Store locked up P501 Dispose of contents/container in accordance with governmental regulation
<b>EU Regulations:</b>	N/A
<b>US Regulations:</b>	TSCA: No products listed California Proposition 65: No products listed
<b>U.S. Federal Regulations:</b>	SARA 302/304 emergency planning and notification: Amphotericin B (CAS 1397-89-3) 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.

	<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: No products were found.</p>
<b>WHMIS (Canada):</b>	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.*