



## Safety Data Sheet

Revision Date: 06-February-2018

24 Hour Emergency #: 1-800-255-3924

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Amphotericin B/Penicillin/Streptomycin Mixture  
CATALOG NUMBER: 120-096-711  
CHEMICAL NAME: Aqueous concentrated, mixed antifungal and antibiotic solution of Amphotericin B, Penicillin G and Streptomycin.  
Penicillin G: 3,3 - Dimethyl-7-OXO-6-(2phenyl=acetamido)-4-thia-1-azabicyclo(3.2.0)) heptane-2-carboxylic acid, monosodium salt,  
Streptomycin: 0-2-Deoxy-2-(methylamino)-A-L-glucopyranosyls-1-(1-2)-0-5-Deoxy-3-C-Formyl-Alpha-L-Lyxofuranosyl(1-4)-N,N1-(Aminoiminomethyl)-0-Streptamine sulfate (2:3) salt, and  
Amphotericin B: Polyene antifungal antibiotic produced by Streptomyces nodosus. Solubilized with deoxycholate: 3 $\alpha$ , 12 $\alpha$ -Dihydroxy-5 $\beta$ -cholanolic acid; 17 $\beta$ -(1-Methyl-3-carboxy propyl) etiocholan-3 $\alpha$ , 12 $\alpha$ -diol.

### Company/Undertaking Identification

Quality Biological Inc.  
7581 Lindbergh Drive  
Gaithersburg, MD 20879  
301-840-9331

### 2. HAZARDS IDENTIFICATION

#### GHS – Classification

Classification Skin Sensitizer 2 Respiratory Sensitizer 1 Skin Irritant 2 Eye Irritant 2A Reproductive toxicity 2  
Signal Word Danger



#### Hazard Statements

H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

#### Precautionary Statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338

## Amphotericin B/Penicillin/Streptomycin Mixture

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS-No	Weight %	Classification
<b>Streptomycin sulfate</b>	<b>223-286-0</b>	<b>3810-74-0</b>	<b>1-2</b>	
<b>4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]-[2-(2.alpha.,5.alpha.,6.beta.)]-, monosodium salt</b>	<b>200-710-2</b>	<b>69-57-8</b>	<b>0.1-1.0</b>	-
<b>Amphotericin B</b>	<b>215-742-2</b>	<b>1397-89-3</b>	<b>&lt;1%</b>	

### 4. FIRST AID MEASURES

<b>Skin contact</b>	Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.
<b>Eye contact</b>	Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person
<b>Inhalation</b>	If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**General:** Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

**Extinguishing Media:** Use extinguishing media appropriate to surrounding fire conditions.

**Autoignition Temperature:** N/A

**Explosion limits:** Not sensitive.

**Flash Point:** Not flammable.

### 6. ACCIDENTAL RELEASE MEASURES

**Use Personal Protective Equipment:** Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Spills and Leaks:** Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

### 7. HANDLING AND STORAGE

7581 Lindbergh Drive • Gaithersburg, MD 20879

(301) 840-9331 • Toll Free (800) 443-9331 • Fax (301) 840-0743

Email: [customerservice@qualitybiological.com](mailto:customerservice@qualitybiological.com) • Web Site: [www.qualitybiological.com](http://www.qualitybiological.com)

**Handling  
Storage**

Handle in accordance with good industrial hygiene and safety practice.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure controls****Exposure limits**

Engineering measures      Ensure adequate ventilation, especially in confined areas

**Personal protective equipment**

Respiratory protection      In case of insufficient ventilation wear suitable respiratory equipment  
Hand protection      Protective gloves  
Eye protection      Safety glasses with side-shields  
Skin and body protection      Lightweight protective clothing.  
Hygiene measures      Handle in accordance with good industrial hygiene and safety practice  
Environmental exposure  
Controls      Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

Form      Liquid

**Important Health Safety and Environmental Information**

Boiling point/range	°C No data available	°F No data available
Melting point/range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

## 10. STABILITY AND REACTIVITY

Stability      Stable under recommended storage conditions.  
Materials to avoid      No information available  
Hazardous decomposition products      Nitrogen oxides (NOx). Sulfur oxides. Carbon oxides.  
Polymerization      Hazardous polymerisation does not occur.  
Incompatible Products      Strong oxidizing agents. Bases.

## 11. TOXICOLOGICAL INFORMATION

## Acute toxicity

Irritating to eye, skin and respiratory system. May be harmful if swallowed.

## Principle Routes of Exposure/ Potential Health effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

## Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

## Target Organ Effects

None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Persistence and Degradability

No information available.

#### Bioaccumulation/Accumulation

No information available.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

## 15. REGULATORY INFORMATION

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**International Inventories****U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Streptomycin sulfate - 3810-74-0	Developmental

**16. OTHER INFORMATION**

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

**THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.**

**End of Safety Data Sheet**