

## Safety Data Sheet

Revision Date: 22-June-2016

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

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

PRODUCT NAME: 100mg/ml Ampicillin Ready-Made Solution  
CATALOG NUMBER: 351-344-731  
CHEMICAL NAME: An aqueous solution of Ampicillin Sodium Salt.

#### Company/Undertaking Identification

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

### 2. HAZARDS IDENTIFICATION

#### GHS – Classification

Respiratory sensitization (Category 1) Skin sensitization (Category 1)

#### Signal Word

**DANGER!**



Hazard Statements: H317: May cause an allergic skin reaction H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled Precautionary Statements: P261: Avoid breathing dust/fume/gas/mist/vapours/spray P280: Wear protective gloves/protective clothing/eye protection/face protection P272: Contaminated work clothing should not be allowed out of the workplace P284: Wear respiratory protection GoldBio · Ampicillin Page 2 of 7 P302+352: IF ON SKIN: Wash with soap and water P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P333+313: If skin irritation or a rash occurs: Get medical advice/attention P321: Specific treatment (see First Aid Measures on this label) P342+311: Call a POISON CENTER or doctor/physician P362: Take off contaminated clothing and wash before reuse P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

#### Health effects

**Eyes**

May cause eye irritation

**Skin**

May be harmful if absorbed through skin, may cause irritation

**Inhalation**

May be harmful if swallowed

**Ingestion**

May be harmful if inhaled. May cause respiratory tract irritation

**Specific effects**

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available
<b>Target Organ Effects</b>	No information available

**HMS**

Health	3
Flammability	0
Reactivity	0

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Identity:** Ampicillin Sodium**Synonyms:** D-(-)- $\alpha$ -Aminobenzylpenicillinsodium salt**CAS number:** 69-52-3**Molecular Formula:** C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>O<sub>4</sub>SNa**Molecular Weight:** 371.39 g/mol**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:** Substance is non-combustible, use most readily available; Water Spray, Carbon Dioxide, dry chemical powder or appropriate foam.**Autoignition Temperature:** N/A**Explosion limits:** N/A**Flash Point:** Not Available**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

<b>Handling</b>	Always wear recommended Personal Protective Equipment. No special handling advice required
<b>Storage</b>	Store in a tightly closed container at room temperature.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

**Engineering measures** Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Form** Liquid

### Important Health Safety and Environmental Information

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

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Sodium oxides

**Polymerization**

Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Intravenous: LD50 rat >4500 mg/kg  
 Subcutaneous: LD50 rat >5300 mg/kg  
 LD50 mouse >5300 mg/kg  
 Oral: LD50 rat >5300 mg/kg  
 LD50 mouse >5300 mg/kg  
 Intraperitoneal: LD50 rat 7400 mg/kg  
 LD50 mouse 5700 mg/kg

**Principle Routes of Exposure/ Potential Health effects**

<b>Eyes</b>	May cause eye irritation with susceptible persons.
<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>Inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed.

**Specific effects**

<b>Carcinogenic effects</b>	Not available
<b>Mutagenic effects</b>	Not available
<b>Reproductive toxicity</b>	Not available
<b>Sensitization</b>	Not available

**Target Organ Effects**

No known effects under normal use conditions.

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity effects</b>	No information available.
<b>Mobility</b>	No information available.
<b>Biodegradation</b>	No information available.
<b>Bioaccumulation</b>	No information available.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations

**14. TRANSPORT INFORMATION**

**IATA**

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard Class</b>	none

<b>Subsidiary Class</b>	none
<b>Packing group</b>	none
<b>UN-No</b>	none

## 15. REGULATORY INFORMATION

### International Inventories

### U.S. Federal Regulations

#### **SARA 313**

This product is not regulated by SARA.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain chemicals listed under Proposition 65

## 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**