



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
Skin
Inhalation

May cause eye irritation
May be harmful if absorbed through skin, may cause irritation
May be harmful if swallowed

7581 Lindbergh Drive • Gaithersburg, MD 20879

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

Email: customerservice@qualitybiological.com • Web Site: www.qualitybiological.com



Ingestion

May be harmful if inhaled. May cause respiratory tract irritation

Specific effects

Carcinogenic effects

No information available

Mutagenic effects

No information available

Reproductive toxicity

No information available

Sensitization

No information available

Target Organ Effects

No information available

HMIS

Health	3
Flammability	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identity: Ampicillin Sodium

Synonyms: D-(-)- α -Aminobenzylpenicillinsodium salt

CAS number: 69-52-3

Molecular Formula: C₁₆H₁₈N₃O₄SNa

Molecular Weight: 371.39 g/mol

4. FIRST AID MEASURES

Skin contact

Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

Eye contact

Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

Ingestion

Never give anything by mouth to an unconscious person

Inhalation

If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician

Notes to physician

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

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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

<u>Handling</u>	Always wear recommended Personal Protective Equipment. No special handling advice required
<u>Storage</u>	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

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	soluble	

10. STABILITY AND REACTIVITY



Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	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

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

Specific effects

Carcinogenic effects	Not available
Mutagenic effects	Not available
Reproductive toxicity	Not available
Sensitization	Not available

Target Organ Effects

No known effects under normal use conditions.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	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	none
Subsidiary Class	none
Packing group	none
UN-No	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