

Section 1 – Product and Company Identification

**Product**

Product Name	Penicillin/Streptomycin Solution, 5mL
Product Code	P/S
Catalog Number	0503

**Company Information:**

ScienCell Research Laboratories  
1610 Faraday Ave,  
Carlsbad, CA 92008 US  
For Information Call: (760) 602-8549

**For 24 hour Emergency Response (United States), Dial 911.**

**Recommended uses and restrictions**

For research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Section 2 – Hazards Identification

**GHS Classification:** Not a hazardous substance or mixture.

**Hazard pictogram**



**Signal word:** DANGER

**Health hazards**

Respiratory sensitization:	Category 1
Skin sensitization:	Category 1
Specific target organ systemic toxicity (single exposure)	Category 2
Reproductive toxicity	Category 1A

**Hazard Statements**

- H317 May cause an allergic skin reaction  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H361 Suspected of damaging fertility or the unborn child  
H371 May cause damage to organs  
H402 Harmful to aquatic life

**Precautionary Statements****Prevention**

- P201 Obtain special instructions before use  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash hands thoroughly after handling  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection

**Response**

- 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 comfortable position for breathing  
P333 + P313 If skin irritation or rash occurs, get medical advice/attention  
P342 + P311 If experiencing respiratory symptoms, call a poison center or doctor/physician  
P362 + P364 Take off all contaminated clothing and wash before reuse

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Not Applicable

**Section 3 – Composition/Information on Ingredients**

**Substance/Mixture:** Mixture

**Hazardous components:**

Component	CAS. No.	EC. No.	Weight %
Streptomycin Sulfate Salt	3810-74-0	223-286-0	0.5-1.5%
Penicillin G Sodium Salt	69-57-8	200-710-2	0.1-1.0%

**Section 4 – First Aid Measures**

**If swallowed:** If person is conscious, wash mouth with water. Call a physician. Do not induce vomiting without medical advice.

**If inhaled:** move to fresh air. If not breathing, give artificial respiration and call a physician.

**In case of skin contact:** wash skin with soap and water. If irritation persists, call a physician.

**In case of eye contact:** flush with copious amounts of water. If irritation persists, call a physician.

**Most important symptoms and effects, both acute and delayed:** H317 – May cause an allergic skin reaction. H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled. H360 – May damage fertility or the unborn child. H371 – May cause damage to organs. H402 – Harmful to aquatic life.

**Recommendations for immediate medical care and special treatment:** If skin irritation occurs, get medical advice/attention. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Section 5 – Fire Fighting Measures

**Suitable extinguishing media:** Water spray, dry powder, or appropriate foam.

**Specific hazards during firefighting:** May emit toxic fumes under fire conditions

**Protective Equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### Section 6 – Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment.

**Environmental precautions:** Avoid discharge into drains and waterways whenever possible.

**Methods and materials for containment and clean up:** Contain spill and absorb with non-combustible absorbent material (e.g. sand, earth) and place in suitable container for disposal according to local and national regulations.

#### Section 7 – Handling and Storage

<b>Handling:</b>	Wear Personal Protective Equipment.
<b>Storage:</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with local regulations. Store between 2-8°C for short term; store between 15 and -20°C for long term.

#### Section 8 – Exposure Controls/Personal Protection

**Components with workplace control parameters:** None

**Engineering Measures:** Ensure area ventilation, avoid splashes.

##### **Personal Protective Equipment**

Respiratory protection:	No respiratory protection needed under normal operating conditions.
Hand protection:	Impervious gloves.
Eye protection:	Tightly fitting safety goggles with side shields.
Skin and body protection:	Lightweight protective clothing
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

#### Section 9 – Physical and Chemical Properties

<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	No data available
<b>Upper explosion limit:</b>	No data available
<b>Lower explosion limit:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Odor threshold:</b>	No data available
<b>Vapor density:</b>	No data available
<b>pH:</b>	No data available
<b>Relative density:</b>	No data available
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Solubility:</b>	Water soluble
<b>Boiling point/boiling range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available

#### Section 10 – Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions of use and storage.
<b>Conditions to avoid:</b>	Strong oxidizers.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, hydrogen chloride gas.
<b>Hazardous Polymerization:</b>	Not expected to occur.

#### Section 11 – Toxicological Information

##### Acute Toxicity

Dermal/Skin:	May cause skin irritation.
Inhalation/Respiratory:	May be harmful if inhaled.
Oral/Ingestion:	May be harmful if swallowed.

##### Carcinogenicity

NTP: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

ACGIH: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

##### Additional Remarks

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly evaluated.

#### Section 12 – Ecological Information

<b>Ecotoxicity:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Mobility:</b>	No data available
<b>Results of PBT and vPvB assessment:</b>	No data available

#### Section 13 – Disposal Considerations

<b>Product:</b>	Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Contaminated packaging:</b>	Dispose of as unused product.

#### Section 14 – Transport Information

<b>DOT (US):</b>	Not dangerous/hazardous
<b>IATA:</b>	Non-hazardous for air transport
<b>IMDG:</b>	Not dangerous

#### Section 15 – Regulatory Information

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312:** No SARA Hazards

**Massachusetts Right To Know:** No components are subject to the Massachusetts Right To Know act.

**California Proposition 65:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.  
Streptomycin sulphate (CAS. No. 3810-74-0)

#### Section 16 – Other Information

**Disclaimer:** For research use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. All materials and mixtures may present unknown hazards and should be used with caution. Sciencell Research Laboratories shall not be held liable for any damage or

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