Material Safety Data Sheet

Product Name
Antibiotic Antimycotic Solution

Cat No.
SV30079

Synonyms
No information available.

Recommended Uses
In vitro methods

Company
HyClone Laboratories, Inc.
625 West 1600 South
Logan, UT 84321 United States
Tel (435) 792-6969

Emergency Telephone Number
INFOTRAC - 24 Hour Number 1-800-555-5053
Outside of the United States, call 24 Hour Number: 001-352-323-3500 (Call Collect)

WARNING
Developmental hazard. May cause allergic respiratory and skin reaction. May cause eye, skin, and respiratory tract irritation. May cause central nervous system effects. Stored on dry ice.

Appearance
Light Yellow

Physical State
Liquid

Odor
No information available

Target Organs
Respiratory system, Skin, Central nervous system (CNS)

Potential Health Effects
Acute Effects
May cause irritation

Exposure Routes of Exposure
Eye
Skin
Inhalation
Ingestion

Thermo Fisher Scientific - Antibiotic Antimycotic Solution
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Chronic Effects
Substances known to cause developmental toxicity in humans. Experiments have shown reproductive toxicity effects or laboratory animals.

See Section 11 for additional toxicological information.

Aggravated Medical Conditions
No information available.

HAZ/HAZ
Component
CAS No.
Weight %
Penicillin G potassium
155-68-4
< 1
Streptomycin Sulfate
91674-0
< 1
Amphotericin B
1957-96-3
< 1
Procaine water
7752-18-5
< < 0.1

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Induce artificial respiration with a respiratory medical device. Immediate medical attention is required.

Ingestion
Do not induce vomiting. Call a physician or Poison Control Center immediately.

Notes to Physician
Treat symptomatically.

Flash Point
No applicable

Autoignition Temperature
No information available.

Explosion Limits
No data available

Suitable Extinguishing Media
Water is effective. Use a dry chemical extinguisher. Use a carbon dioxide extinguisher. Use a foam extinguisher. Use water standby.

Unsuitable Extinguishing Media
No information available.

Hazardous Combustion Products
No information available.

Sensitivity to Mechanical Impact
No information available.

Sensitivity to Static Discharge
No information available.

Specific Hazards Arising from the Chemical
None known.
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Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/MEMSHA (approved or equivalent) and full protective gear.

NFPA
Health 1
Flammability 0
Instability 0
Physical hazards N/A

Personal Precautions
Use personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.

Environmental Precautions
Shake not be released into the environment.

Methods for Containment and Clean Up
Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

Handling
Use only under a chemical fume hood. Wear personal protective equipment. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing.

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place.

Engineering Measures
Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the work station location.

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

NOTES IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment
Eye/face Protection
Skin and body protection
Respiratory Protection

Wear appropriate protective eyeglasses or chemical safety goggles as directed by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Wear appropriate protective gloves and clothing to prevent skin exposure.
Follow the OSHA respiratory regulations found in 29 CFR 1910.134 or European Standard EN 149 Use a NIOSH/MEMSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Physical State
Appearance
Odor
Odor Threshold
pH
Vapor Pressure
Vapor Density
Viscosity
Boiling Point/Range
Melting Point/Range

Liquid
Light yellow
No information available
No information available
Not applicable
No information available
No information available
No information available
Not applicable
No information available

Decomposition temperature °C
Flash Point
Evaporation Rate
Specific Gravity
Solubility
Log Pow

No information available.
Not applicable.
No information available.
No information available.
No information available.
No data available.

Stability
Conditions to Avoid
Incompatible Materials
Hazardous Decomposition Products
Hazardous Polymerization
Hazardous Reactions

Stable under normal conditions.
Incompatible products. Excess heat.
Strong oxidizing agents, Acids, Strong bases, Heavy metal salts.
Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx).
Hazardous polymerization does not occur.
None under normal processing.

Acute Toxicity
Product Information
No acute toxicity information is available for this product.

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>LC50 Oral</th>
<th>LC50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentachlorophenol</td>
<td>870 mg/kg (rat)</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ammonium sulfate</td>
<td>430 mg/kg (rat)</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ammonium nitrate</td>
<td>6 mg/l (rat)</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Benzene</td>
<td>0.5 mg/l (rat)</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Irritation
Toxicologically Synergistic Products

No information available.
No information available.

Chronic Toxicity
Carcinogenicity
Mutagenicity
Reproductive Effects

There are no known carcinogenic chemicals in this product.
May cause sensitization by inhalation and skin contact.
Mutagenic effects have occurred in experimental animals.
Experiments have shown reproductive toxicity effects on laboratory animals.

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### Thermo Fisher Scientific - Antibiotic Antimycotic Solution

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**Developmental Effects**
Substances known to cause developmental toxicity in humans.

**Teratogenicity**
Teratogenic effects have occurred in experimental animals.

**Other Adverse Effects**
See actual entry in RTECS for complete information.

**Endocrine Disruptor Information**
No information available

### Ecodotoxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Microdose</th>
<th>Water Flea</th>
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</thead>
<tbody>
<tr>
<td>Penicillin G Potassium</td>
<td>Not tested</td>
<td>Not tested</td>
<td>Not tested</td>
<td>EC50 74 h &gt;1000 mg/L</td>
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</table>

**Persistence and Degradability**
No information available

**Bioaccumulation/Accumulation**
No information available

### Mobility

<table>
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<th>Component</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penicillin G Potassium</td>
<td>1.63</td>
</tr>
</tbody>
</table>

**Waste Disposal Methods**
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

### DOT

**UN-No**: UN1845
**Proper Shipping Name**: CARBON DIOXIDE, SOLID
**Hazard Class**: 9
**Packing Group**: III

### IMDG

**UN-No**: UN1845
**Proper Shipping Name**: CARBON DIOXIDE, SOLID
**Hazard Class**: 9
**Packing Group**: III

### International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL</th>
<th>HDS</th>
<th>EINECS/ELINCS</th>
<th>NLP</th>
<th>PICCS</th>
<th>ENCS</th>
<th>AICS</th>
<th>OHBA</th>
<th>MECL</th>
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</thead>
<tbody>
<tr>
<td>Penicillin G Potassium</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>204-038-0</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>KE-11721 X</td>
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<tr>
<td>Streptomycin Sulfate</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>223-286-0</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>KE-09505 X</td>
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<tr>
<td>Amphotericin B</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>215-742-2</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Process Water</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>231-791-2</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>KE-35420</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

**Legend:**
- X - Listed
- S - Indicates a substance that is the subject of a Section 8(d) Consent order under TSCA.
- F - Indicates a substance that is the subject of a Section 8(d) Consent order under TSCA.
- H - Indicates a polynuclear substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount level.
- P - Indicates a committed FEMA substance.
- R - Indicates a substance that is the subject of a Section 8(e) risk management rule under TSCA.
- G - Indicates a substance that is identified in a proposed or final Significant New Use Rule
- X - Indicates a substance that is the subject of a Section 6(a) risk management rule under TSCA.
- X - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e., Partial Updating of the TSCA Inventory Data Base
- Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
- Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprise one of the eligibility criteria for the exemption rule.

### U.S. Federal Regulations

**TSCA 12(b)** Not applicable
**SARA 313** Not applicable

**SARA 313/312 Hazardous Classification**