



Material Safety Data Sheet

Creation Date 22-Oct-2009 Revision Date 22-Oct-2009 Revision Number 1

Product Name Antibiotic Antimycotic Solution
Cat No. SV30079
Synonyms No information available.
Recommended Use In vitro methods
Company HyClone Laboratories, Inc.
Emergency Telephone Number INFOTRAC - 24 Hour Number: 1-800-535-5053

WARNING!
Emergency Overview
Developmental hazard. May cause allergic respiratory and skin reaction. May cause eye, skin, and respiratory tract irritation. May cause central nervous system effects. Shipped 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
Principle Routes of Exposure
Eyes May cause irritation
Skin May produce an allergic reaction. May cause irritation.
Inhalation May cause allergic respiratory reaction. May cause irritation of respiratory tract. Inhalation may cause central nervous system effects.
Ingestion May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects Substances known to cause developmental toxicity in humans. Experiments have shown reproductive toxicity effects on laboratory animals.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions No information available.

Table with 3 columns: Component, CAS-No, Weight %
Rows: Penicillin G potassium, Streptomycin sulfate, Amphotericin B, Process water

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 Not applicable
Method No information available.
Autoignition Temperature No information available.
Explosion Limits Upper No data available, Lower No data available.
Suitable Extinguishing Media Substance is nonflammable; use agent most appropriate to extinguish surrounding fire..
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.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (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 Should 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 workstation location.

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

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment

Eyeface Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Physical State Liquid
Appearance Light yellow
Odor No information available
Odor Threshold No information available.
pH Not applicable
Vapor Pressure No information available.
Vapor Density No information available.
Viscosity No information available.
Boiling Point/Range Not applicable
Melting Point/Range No information available.

Decomposition temperature °C No information available.
Flash Point Not applicable
Evaporation Rate No information available.
Specific Gravity No information available.
Solubility No information available.
log Pow No data available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products. Excess heat.

Incompatible Materials Strong oxidizing agents, Acids, Strong bases, Heavy metal salts

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

Hazardous Polymerization Hazardous polymerization does not occur

Hazardous Reactions None under normal processing.

Acute Toxicity

Product Information No acute toxicity information is available for this product

Component information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Penicillin G potassium	6700 mg/kg (Rat)	Not listed	Not listed
Streptomycin sulfate	430 mg/kg (Rat)	Not listed	Not listed
Amphotericin B	5 g/kg (Rat)	Not listed	Not listed
Process water	90 ml/kg (Rat)	Not listed	Not listed

Irritation No information available.

Toxicologically Synergistic Products No information available.

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization May cause sensitization by inhalation and skin contact

Mutagenic Effects Mutagenic effects have occurred in experimental animals.

Reproductive Effects Experiments have shown reproductive toxicity effects on laboratory animals.

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

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Penicillin G potassium	Not listed	Not listed	Not listed	EC50 48 h >1000 mg/L

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility

Component	log Pow
Penicillin G potassium	1.83

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

TDG

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

IATA

UN-No UN1845

Proper Shipping Name CARBON DIOXIDE, SOLID
Hazard Class 9
Packing Group III

IMDG/IMO

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

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Penicillin G potassium	X	X	-	204-038-0	-	-	X	-	X	-	KE-11721 X
Streptomycin sulfate	X	X	-	223-286-0	-	-	X	-	X	X	KE-09605 X
Amphotericin B	-	-	-	215-742-2	-	-	X	-	X	X	-
Process water	X	X	-	231-791-2	-	-	X	-	X	X	KE-35400 X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric 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 used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710.6).

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 comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313
Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard No
 Chronic Health Hazard No
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

Clean Water Act
 Not applicable

Clean Air Act
 Not applicable

OSHA
 Not applicable

CERCLA
 Not Applicable

California Proposition 65

This product contains the following Proposition 65 chemicals:

Component	CAS-No	California Prop. 65	Prop 65 NSRL
Streptomycin sulfate	3810-74-0	Developmental	-

State Right-to-Know
 Not applicable

U.S. Department of Transportation
 Reportable Quantity (RQ): N
 DOT Marine Pollutant N
 DOT Severe Marine Pollutant N

U.S. Department of Homeland Security
 This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
 D2A Very toxic materials
 D2B Toxic materials



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Revision Summary "****", and red text indicates revision

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS