



Material Safety Data Sheet

Antibiotic-Antimycotic, 100X

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: Antibiotic-Antimycotic, 100X

Catalogue number of the product: CC501-0100

Use of the preparation:

For laboratory use.

Company identification:

Genedirex, Inc.

Site: <http://www.genedirex.com>

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS-No	EINECS-No	Weight %
STREPTOMYCIN SULFATE	3810-74-0	-	0.5-1.5
Penicillin G Sodium Salt	69-57-8	-	0.1-1.0

We recommend handling all chemicals with caution.

3. HAZARDS IDENTIFICATION

GHS - Classification

Signal Word

DANGER



Health hazards

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Reproductive Toxicity	Category 2

Physical hazards Not Hazardous

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

H402 - Harmful to aquatic life

Precautionary Statements

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 position comfortable for breathing

P201 - Obtain special instructions before use

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

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 cause irritation of respiratory tract.

Ingestion No information availabl.



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Specific effects

Carcinogenic effects	No information available.
Mutagenic effects	Not Applicable.
Reproductive toxicity	May impair fertility. May cause harm to the unborn child.
Sensitization	May cause sensitization by inhalation and skin contact.
Target Organ Effects	None under normal use conditions.

HMIS

Health	4 * Chronic Hazard
Flammability	0
Reactivity	0

4. FIRST-AID MEASURES

Ingestion:

Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Skin contact:

Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.

Eye contact:

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

H361 - Suspected of damaging fertility or the unborn child, H402 - Harmful to aquatic life

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters	Standard procedure for chemical fires.
Specific hazards arising from the chemical	Not known

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
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Methods for cleaning up	Soak up with inert absorbent material.
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Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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See Section 12 for more information.

7. HANDLING AND STORAGE

Handling: Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Storage: Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
STREPTOMYCIN SULFATE	None	None	None	None
Penicillin G Sodium Salt	None	None	None	None

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment



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Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Impervious gloves.
Eye protection	Wear safety glasses with side shields (or goggles).
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. Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Form	Liquid
Appearance	No data available
Odor	Mixture has not been tested
Odor Threshold	Mixture has not been tested
Boiling point / boiling range	°C No data available °F No data available
Melting point / melting 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
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Oxidizing properties	No data available
Water solubility	soluble
Upper explosion limit	No data available
Lower explosion limit	No data available
Partition coefficient: n-octanol/water	No data available
Vapor Pressure	No data available
vapor density	No data available
Viscosity	Mixture has not been tested
pH value	No data available

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	No information available.
Possibility of hazardous reactions	Hazardous reaction has not been reported
Hazardous decomposition products	No information available.
Polymerization	None under normal processing.
Conditions to avoid	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical	Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
STREPTOMYCIN SULFATE	= 430 mg/kg (Rat)	No data available	No data available	No data available
Penicillin G Sodium Salt	= 6916 mg/kg (Rat)	No data available	No data available	No data available

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	No information available.



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Carcinogenic effects No information available.
 Mutagenic effects No information available.
 Reproductive toxicity May impair fertility. May cause harm to the unborn child.
 Sensitization May cause sensitization by inhalation and skin contact.
 Target Organ Effects None under normal use conditions

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic organisms.
 Acute aquatic toxicity Category 3.
 Mobility No information available.
 Biodegradation No information available.
 Bioaccumulation No information available.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA
 Proper Shipping Name No dangerous good in sense of these transport regulations
 Hazard Class None
 Subsidiary class None
 Packing group None
 UN-No None
 Environmental hazards None

15. REGULATORY INFORMATION

Component	US TSCA
STREPTOMYCIN SULFATE 3810-74-0 (0.5-1.5)	Listed
Penicillin G Sodium Salt 69-57-8 (0.1-1.0)	-

US 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.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	CAS-No	Weight %	Category
STREPTOMYCIN SULFATE	3810-74-0	0.5-1.5	Developmental

WHMIS Hazard Class

D2A - Very toxic materials



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.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. GENEDIREX, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.