

Safety Data Sheet

Antibiotic/Antimycotic Solution (100x)

According to Regulation (EC) No. 1907/2006

Revision Date 03.02.2021

Version 000/02.2021

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifiers

Product name: Antibiotic/Antimycotic Solution (100x)
 Catalogue No: AAS-B

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified uses: For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Details of the Supplier of the Safety Data Sheet

Company: Capricorn Scientific GmbH
 Auf der Lette 13 A
 35085 Ebsdorfergrund
 Germany
 Phone: +49 6424 94464 0
 E-Mail: info@capricorn-scientific.com

Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

Section 2 Hazards Identifications

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008.

Respiratory sensitisation	Category 1	H334
Skin sensitisation	Category 1	H317

Label elements

Labelling according Regulation (EC) No 1272/2008.



Pictogram
 Signal word: Danger

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Hazard statements

H317 - May cause an allergic skin reaction

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

P280 – Wear protective gloves.

P302 + P352 – IF ON SKIN: wash with plenty of water.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 Composition/Information on Ingredients

Mixtures

Hazardous ingredient	CAS #	EINECS #	Classification	Weight percent
Amphotericin B	1397-89-3	215-742-2	H315, H319, H335	<0.1
Streptomycin Sulfate	3810-74-0	223-286-0	H302, H361fd	0.5 – 1.5
Penicillin G Sodium Salt	69-57-8	200-710-2	H317	0.5 – 1.5

We recommend handling all chemicals with caution.

Section 4 First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.

In case of skin contact Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

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

If swallowed Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available.

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Section 5 Firefighting Measures

Suitable extinguishing media

Use water spray, alcohol resistant foam, carbon dioxide (CO₂) or dry chemical.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides.

Advice for firefighters

Wear self-contained breathing apparatus and protective suit for firefighting if necessary.

Further information

No data available

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7 Handling and Storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled, tightly closed containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: <-15°C.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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Section 8 Exposure Controls/Personal Protection

Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

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.

Skin protection

Impervious gloves. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Eye protection

Safety glasses with side-shields tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains, prevent further leakage or spillage. Do not allow material to contaminate ground water system.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Form: clear yellowish liquid.

Odor

No data available.

pH

No data available.

Melting/freezing point

No data available.

Initial boiling point and range

No data available.

Flash point

No data available.

Evaporation rate

No data available.

Flammability (solid, gas)

No data available.

Upper/lower flammability or exposure limits

No data available.

Vapor pressure

No data available.

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Vapor density	No data available.
Relative density	No data available.
Water solubility	soluble
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available

Section 10 Stability and Reactivity

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

Oxidizing agents, acids, Heavy metal salts.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sodium oxides, Phosphorous oxides.

Section 11 Toxicological Information

Information on toxicological effects

Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Amphotericin B	> 5 g/kg (Rat)	No data available.	No data available.
Streptomycin Sulfate	= 430 mg/kg (Rat)	No data available.	No data available.
Penicillin G Sodium Salt	= 6916 mg/kg (Rat)	No data available.	No data available.

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Principle Routes of Exposure/Potential Health effects

Eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	Irritating to respiratory system.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.
Sensitisation	May cause sensitisation of susceptible persons.
Target Organ Effects	Kidney, Ear, Eyes, Skin, Respiratory system, Gastrointestinal tract (GI).

Section 12

Ecological Information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No data available.

Section 13

Disposal Considerations

Waste treatment methods

Dispose of in accordance with local regulations and with the Directive on waste 2008/98/EC. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging

Dispose of as unused product.

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Section 14 Transport Information

UN-number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available.

Section 15 Regulatory Information

International Inventories

Chemical Name	EINECS	ELINCS	ENCS	PICCS	AICS	KECL	DSL	NDSL
Amphotericin B	Listed	-	-	Listed	Listed	-	-	-
Streptomycin Sulfate	Listed	-	-	Listed	Listed	Listed	Listed	-
Penicillin G Sodium Salt	Listed	-	-	-	Listed	Listed	Listed	-

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 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. 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.