

## Safety Data Sheet

Gentamicin Solution (50 mg/ml)

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 04.10.2017

Print Date: 04.10.2017

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### SECTION 1 Identification of the Substance/Mixture and of the Company/ Undertaking

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#### Product identifiers

Product name: Gentamicin Solution (10 mg/ml)

Cat. No.: GEN-50B

#### Relevant identified uses of the substance or mixture and uses advised against

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.

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### SECTION 2 Hazards Identification

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The product is classified and labelled in accordance with Directive 1999/45/EC.

#### Classification

##### Indication of Danger

Xi - Irritant



##### R-phrases(s)

R43 - May cause sensitisation by skin contact.

##### S-phrases(s)

S24 - Avoid contact with the skin.

S36/37 - Wear suitable protective clothing and gloves.

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### SECTION 3 Composition/Information on Ingredients

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Hazardous ingredient	CAS #	EINECS #	Weight percent
Gentamicin Sulfate	1405-41-0	-	3 - 7

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We recommend handling all chemicals with caution.

### SECTION 4 First Aid Measures

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<b>Skin contact</b>	Wash off immediately with plenty of water.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move to fresh air.
<b>Notes to physician</b>	Treat symptomatically.

### SECTION 5 Firefighting Measures

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**Suitable extinguishing media**

Dry chemical.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus and protective suit.

### SECTION 6 Accidental Release Measures

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**Personal precautions**

Use personal protective equipment.

**Methods for cleaning up**

Soak up with inert absorbent material.

### SECTION 7 Handling and Storage

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**Handling**

Avoid contact with skin and eyes. Wear personal protective equipment.

**Storage**

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Recommended storage temperature: <-15°C.

### SECTION 8 Exposure Controls/Personal Protection

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**Exposure limits**

We are not aware of any national exposure limit.

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#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

#### 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.

<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand protection</b>	Impervious gloves.
<b>Eye protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

#### Environmental exposure controls

Prevent product from entering drains.

## SECTION 9 Physical and Chemical Properties

#### Information on basic physical and chemical properties

Physical state at 20 °C:	Liquid
Color:	Colorless
Odor:	Odorless
Water solubility:	Soluble

#### Important Health Safety and Environmental Information

Boiling point/range	°C	No data available.
Melting point/range	°C	No data available.
Flash point	°C	No data available.
Autoignition temperature	°C	No data available.
Oxidising properties	°C	No data available.

## SECTION 10 Stability and Reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No information available.
<b>Hazardous decomposition</b>	No information available.
<b>Polymerisation</b>	Hazardous polymerisation does not occur.

## SECTION 11 Toxicological Information

#### Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Gentamicin Sulfate	5 g/kg (Rat)	No data available.	No data available.

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### Principle Routes of Exposure/Potential Health effects

<b>Eyes</b>	May cause eye irritation of susceptible persons.
<b>Skin</b>	May cause sensitization by skin contact. May cause skin irritation and/or dermatitis.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Carcinogenic effects</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Sensitisation</b>	May cause sensitisation of susceptible persons.
<b>Target Organ Effects</b>	Eyes, Skin, Ear, Liver.

### SECTION 12 Ecological Information

<b>Ecotoxicity effects</b>	No information available.
<b>Mobility</b>	No information available.
<b>Biodegradation</b>	No information available.
<b>Bioaccumulation</b>	No information available.

### SECTION 13 Disposal Considerations

Dispose of in accordance with local regulations.

### SECTION 14 Transport Information

#### IATA

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Hazard class</b>	None.
<b>Subsidiary Class</b>	None.
<b>Packing group</b>	None.
<b>UN-No</b>	None.

### SECTION 15 Regulatory Information

International Inventories

Chemical Name	EINECS	ELINCS	ENCS	PICCS	AICS	KECL	TSCA	CHINA
Gentamicin Sulfate	Listed	–	Listed	Listed	Listed	Listed	–	Listed

### 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

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to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.