

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifiers

Product name: Kanamycin sulfate, 50 mg/ml  
Product number: P06-15021, P06-15025, P06-15050, P06-15100

Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, Manufacture of substances

### Details of the supplier of the safety data sheet

Company: PAN Biotech GmbH  
Am Gewerbepark 13  
94501 Aidenbach  
GERMANY

Telephone: +49-(0)8543-6016-30  
Fax: +49-(0)8543-6016-49  
E-mail: info@pan-biotech.de

### Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

## 2. HAZARDS IDENTIFICATION

### Classification according to regulation (EC) No 1272/2008

Reproductive toxicity (Category 1B), H360

### Label elements

Pictogram



### Signal word

Danger

### Hazard statements

H360 May damage fertility or the unborn child

### Precautionary statements

P201 Obtain special instructions before use

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308 + P313 If exposed or concerned: Get medical advice/attention.

### 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.

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P06-15025  
P06-15050  
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	EC-No.	Classification	Concentration
Kanamycin sulfat	25389-94-0	246-933-9	Repr. 1B, H360	>=0.5 - < 10%

We recommend handling all chemicals with caution.

### 4. FIRST AID MEASURES

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

**Skin contact** Wash off with soap and plenty of water. Consult a physician.

**Eye contact** Flush eyes with water as a precaution.

**Ingestion** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation** If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Notes to physician** Treat symptomatically.

### 5. FIREFIGHTING MEASURES

#### **Extinguishing Media**

#### **Suitable extinguishing media**

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

**Specific Hazards arising from the substance or mixture:** No data available.

**Special Protective equipment for firefighters** Wear self-contained breathing apparatus for fire fighting if necessary.

#### **Further information**

No data available.

### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### **Environmental precautions**

Do not let product enter drain.

#### **Methods for cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal

### 7. HANDLING AND STORAGE

#### **Precautions for safe handling**

Avoid exposure – obtain special instructions before use. Avoid inhalation of vapour and mist.

#### **Conditions for safe storage**

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

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control parameters**

#### **Components with workplace control parameters**

#### **Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the

end of workday.

#### **Personal protective equipment**

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental exposure controls** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	liquid
<b>Appearance</b>	no data available
<b>Odour</b>	no data available
<b>Boiling Point/Range</b>	no data available
<b>Melting Point/Range</b>	no data available
<b>Flash Point</b>	no data available
<b>Auto ignition temperature</b>	no data available
<b>Oxidising properties</b>	no data available
<b>Water solubility</b>	soluble

### 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Materials to avoid</b>	No data available
<b>Hazardous decomposition products</b>	No data available
<b>Polymerisation</b>	Hazardous polymerisation does not occur.

### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	No data available.
<b>Serious eye damage / eye irritation</b>	No data available.
<b>Skin corrosion / irritation</b>	No data available.
<b>Respiratory or skin sensitisation</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
<b>Germ cell mutagenicity</b>	No data available

#### **Carcinogenicity**

IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** No data available

**Specific target organ toxicity -single exposure** No data available

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**Specific target organ toxicity -repeated exposure** No data available  
**Aspiration hazard** No data available

**Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Liver-Irregularities-Based on Human Evidence (Kanamycin sulphate)

**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**  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted  
**Other adverse effects** No data available

**13. DISPOSAL CONSIDERATIONS**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**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

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**16. OTHER INFORMATION**

**Further 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. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.pan-biotech.com](http://www.pan-biotech.com) or reverse side of invoice or packing slip for additional terms and conditions of sale.