

# MATERIAL SAFETY DATA SHEET

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

### Product identifiers

Product name: Neomycin sulfate, Powder  
Product number: P06-06010P, P06-06025P, P06-06100P  
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 of the substance or mixture

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

Reproductive toxicity (Category 1B), H360

#### Label elements

#### Labelling according to Regulation (EC) No 1272/2008

Pictogram



Signal word: Danger

Hazard statement(s)

H317 May cause an allergic skin reaction.

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

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P280 Wear protective gloves/eye protection/face protection

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or a physician

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	EC-No.	Classification	Concentration %
Neomycin sulfate	1405-10-3	215-773-1	Resp. Sens. 1; Skin Sens. 1; H317, H334	≤ 100%

#### 4. FIRST AID MEASURES

##### **In case of skin contact**

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

##### **In case of eye contact**

Flush eyes with water as a precaution.

##### **If swallowed**

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

##### **In case of inhalation**

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

##### **Most important symptoms and effects, both acute and delayed**

Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity.

#### 5. FIREFIGHTING MEASURES

##### **Suitable extinguishing media**

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

##### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

##### **Special hazards arising from the substance or mixture**

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

#### 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

##### **Directions for Safe Handling**

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes and skin.

##### **Storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: +2°C - +8°C

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### **Appropriate engineering controls**

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

##### **Eye/face protection**

Face shield and safety glasses. 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

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.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	powder
<b>pH</b>	No data available
<b>BP/BP Range</b>	No data available
<b>MP/MP Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Flammability</b>	No data available
<b>Autoignition Temp</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Explosion Limits</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Partition Coefficient n-Octanol/water</b>	No data available
<b>Viscosity</b>	No data available
<b>Vapor Density</b>	No data available
<b>Saturated Vapor Conc.</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Relative Density</b>	No data available
<b>Decomposition Temp.</b>	No data available
<b>Solvent Content</b>	No data available
<b>Water Content</b>	No data available
<b>Surface Tension</b>	No data available
<b>Conductivity</b>	No data available
<b>Water solubility</b>	50 g/L

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Materials to avoid</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	No data available
<b>Polymerisation</b>	Hazardous polymerisation does not occur.
<b>Special hazards arising from the substance or mixture</b>	
Carbon oxides, Nitrogen oxides (NO <sub>x</sub> ), Sulphur oxides.	

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitisation</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenic effects</b>	

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.

### Specific target organ toxicity – single exposure

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: QO4375000

**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

**13. DISPOSAL CONSIDERATIONS**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**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

**15. REGULATORY INFORMATION**

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

**Chemical Safety Assessment**

No data available

**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.