

## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: Pen/Strep/Amphotericin B Mix  
Product number: P06-07300, P06-07301, P06-07305, P06-07350

Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, Manufacture of substances

#### 1.3 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

#### 1.4 Emergency telephone number

Emergency phone: +49-(0)8543-6016-31

### 2. HAZARDS IDENTIFICATION

#### In accordance with local and national regulations

The product is classified and labelled in accordance with Directive 1999/45/EC. Regulation (EC) no 1272/2008 Classification according to EU Directives 67/548/EEC or 1999 /45/EC

#### GHS – Classification



#### Signal word

Danger

#### Health hazard

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ systemic toxicity	Category 3

#### Hazard statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction

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H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
<b>Precautionary statements</b>	
If inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. (P304 + P340)
If in eyes	Rinse cautiously with water for several minutes. (P305 + P351 + P338)
Call a poison centre or physician if you feel unwell (P312)	
If skin irritation occurs or eye irritation persists: Get medical attention (P 313 + P332 + P337)	

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	EINECS-No.
Streptomycin sulphate	3810-74-0	223-286-0
Penicillin G, potassium salt	113-98-4	200-710-2
Amphotericin B	1397-89-3	215-742-2

### 4. FIRST AID MEASURES

<b>Skin contact</b>	Wash off with plenty of water. Immediate medical attention is required.
<b>Eye contact</b>	Flush eyes with water. Immediate medical attention is required.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician or Poison Control Centre immediately.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Get medical advice immediately.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, water spray, Carbon dioxide (CO <sub>2</sub> ), Foam
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing and breathing vapours, mist or gas. Use personal protective equipment.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures** Ensure adequate ventilation, especially in confined areas

### **Personal protective equipment**

#### **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 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).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	suspension
<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>Autoignition 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 normal conditions
<b>Materials to avoid</b>	Oxidizing agents, Acids, Heavy metal salts.
<b>Hazardous decomposition products</b>	Carbon oxides, Nitrogen Oxides, Sulphur oxides, Sodium oxides, Phosphorous oxides
<b>Polymerisation</b>	none under normal processing

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Chemische Bezeichnung	LD50 (oral, rat)
Amphotericin B	> 5 g/kg
Streptomycin sulfate	430 mg/kg
Penicillin G, sodium salt	6700 mg/kg

### 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

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.

### 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

no data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

No data available

### Mobility

No data available

### Biodegradation

No data available

### Bioaccumulation

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

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15. **REGULATORY INFORMATION**

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

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.