

MATERIAL SAFETY DATA SHEET

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

Product identifiers

Product name: Gentamicin sulfate, 50 mg/ml
Artikelnummer: P06-13021, P06-13025, P06-13050, P06-13100

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
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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

Respiratory sensitization (Category 1)

Skin sensitization (Category 1)

Label elements

Labeling according Regulation (EC) No 1272/2008

Pictogram	
Signal word	Warning
Hazard statement(s) H317	May cause an allergic skin reaction.
Precautionary statement(s) P280	Wear protective gloves.
Supplemental Hazard Statements	none

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	EC-No.	Classification	Concentration [%]
Gentamycin sulfate	1405-41-0	215-778-9	Skin Sens. H317	>=1 - < 10 %

P06-13021
P06-13025
P06-13050
P06-13100

4. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance
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.
If inhaled	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Most important symptoms and effects, both acute and delayed	
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
Indication of any immediate medical attention and special treatment needed	
No data available	

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	
No data available	
Advice for firefighters	Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental precautions	Do not let product enter drains.
Methods and materials for cleaning up	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage	Keep in properly labeled containers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls	General industrial hygiene practice.
Personal protective equipment	
Eye/face protection	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

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	Form: liquid
Odour	no data available
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
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

10. STABILITY AND REACTIVITY

Reactivity	no data available
Chemical stability	no data available
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	Oxidizing agents
Hazardous decomposition products	no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	no data available
Potential Health effects	
Eyes	no data available
Skin	no data available
Inhalation	no data available
Specific effects	
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 effect	no data available
Reproductive toxicity	no data available
Sensitisation	no data available

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	no data available
Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste.
Handle un-cleaned containers like the product itself.

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

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

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

No data available

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 or reverse side of invoice or packing slip for additional terms and conditions of sale.