

MATERIAL SAFETY DATA SHEET

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

Product identifiers

Product name: Ampicillin (100 mg/ml)
Product number: P60-083910

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

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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), H334

Skin sensitization (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn (Harmful) R42/43

For the full text of the R-phrases mentioned in this Section, see Section 16

Label elements

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 statement(s)

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

P280 Wear protective gloves.

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

Supplemental Hazard Statements none

According to European Directive 67/548/EEC as amended.

Hazard symbol(s) Xn Harmful



R-phrase(s)

R42/43 May cause sensitisation by inhalation and skin contact.

S-phrase(s)

S23 Do not breathe vapour.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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

Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/200

Component	Classification	Concentration
Ampicillin		
CAS-No.: 69-53-4 EC-No.: 200-709-7	Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; Skin Sens. 1; STOTSE 3; H315, H317, H319, H334, H335	≥ 5 % - ≤ 10 %

Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
Ampicillin		
CAS-No.: 69-53-4 EC-No.: 200-709-7	Xn, R36/37/38 – R42/43	≥ 1% - ≤ 10%

For the full text of the H-Statements and R-Phrases mentioned in this Section, see 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

consult a physician. Show this safety data sheet to the doctor in attendance

After skin contact

wash off with soap and plenty of water.

After eye contact

flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting never give anything by mouth to an unconscious person. Rinse mouth with water.

If inhaled

move person to fresh air. If not breathing, give artificial respiration.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 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 Advice for firefighters

Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides
Wear self contained breathing apparatus for fire fighting if necessary

Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Methods for cleaning up

For personal protection see section 8.
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

Environmental precautions

no special environmental precautions required

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

Storage

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

Storage temperature

-20°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

general industrial hygiene practice.

Personal protective equipment

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).

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body 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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:

liquid

Odour	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	189 °C at 1.013 hPa
Flash point	87 °C – closed cup
Flammability	no data available
Auto-ignition temperature	301 °C
Explosive properties	no data available
Oxidizing properties	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Stability	no data available
Conditions to avoid	heat, flames, and sparks
Hazardous decomposition products	no data available
Incompatible materials	Oxidizing agents, Strong oxidizing agents, Strong acids, Acid chlorides, Strong reducing agents, Phosphorus halides

11. TOXICOLOGICAL INFORMATION

Acute toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Ampicillin)	

Reproductive toxicity	no data available
Specific target organ toxicity	no data available
Aspiration hazard	no data available
Potential health effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure

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

Additional Information

RTECS: Not 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
Contaminated packaging	Dispose of as an 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	no data available
Chemical Safety Assessment	no data available

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.
Eye Irrit. Eye irritation

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
Resp. Sens.	Respiratory sensitisation
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT SE	Specific target organ toxicity - single exposure
Full text of R-phrases referred to under sections 2 and 3	
Xn	Harmful
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.

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.