according to Regulation (EC) No. 1907/2006

Trade name: Penicillin/Streptomycin

10.000 U/ml/10.000 μ g/ml, lyophilized

Cat.No.: A 2210

Manufacturer/supplier: Biochrom AG Datum: 25.11.2010

Filename.: SDS-A2210-en-03.doc Page 1 of 5

1. Name of substance and manufacturer/supplier:

1.1 Trade name: Penicillin/Streptomycin

10.000 U/ml 10.000 µg/ml, lyophilized

Cat.No.: A 2210

1.2 Manufacturer/supplier: Biochrom AG

Leonorenstr. 2-6

12247 Berlin / Germany

Tel.: 030-7799060 - Telefax: 030-7710012

email: info@biochrom.de

1.3 In case of emergency: Contact your local poison centre

2. Possible hazard

Does not contain hazardous substances legally required for labelling. Currently nothing is known on possible hazardous nature.

2.1 Precautionary measures: Harmful if inhalated or swallowed. Possible

sensitisation with inhalation or contact with skin. May be harmful for the unborn child.

3. Chemical characteristics /

Ingredients

Only for *in vitro* use, only for cell culture applications. Contains penicillin and

streptomycin.

Benzylpenicillin Natrium:

CAS-No.: 69-57-8 EC No: 200-710-2

Concentration approx. 0,6% w/v

Streptomycinsulfate: CAS-No.: 3810-74-0 EC No.: 223-286-0

Concentration approx 1,3 % w/v

according to Regulation (EC) No. 1907/2006

Trade name: Penicillin/Streptomycin

10.000 U/ml/10.000 μ g/ml, lyophilized

Cat.No.: A 2210

Manufacturer/supplier: Biochrom AG Datum: 25.11.2010

Filename.: SDS-A2210-en-03.doc Page 2 of 5

4. Emergency / First Aid:

4.1 Eye contact: Immediately flush eyes with plenty of water

for several minutes (10 - 15) with open lid. In case of indisposition seek medical advice.

4.2 Skin contact: Immediately wash skin with soap and plenty

of water. In case of skin irritation, seek

medical advice.

4.3 Ingestion: Flush mouth with water, do not swallow,

drink plenty of water. Immediately call a

physician.

4.4 Inhalation: Fresh air, in case of indisposition seek

medical advice.

4.5 Advice for the physician: Therapy according to symptoms.

5. Precautions for fire fighting:

5.1 Fire extinguisher media: No restriction

5.2 Thermic disintegration: Toxic and irritating fumes can not develop

6. Precautions for unintentional release:

6.1 Precautions for spilling: Clean up fluid

6.2 Binder: No restriction

Special precautions to restrict damage are not necessary

7. Storage and handling:

7.1 Handling: Fluid not flammable, no special restrictions

according to Regulation (EC) No. 1907/2006

Trade name: Penicillin/Streptomycin

10.000 U/ml/10.000 μ g/ml, lyophilized

Cat.No.: A 2210

Manufacturer/supplier: Biochrom AG Datum: 25.11.2010

Filename.: SDS-A2210-en-03.doc Page 3 of 5

7.2 Storage: To be stored at $+2 - +8^{\circ}$ C

8. Exposition of restriction and personal protective clothes

8.1 MAK value: 1.5 / 4 mg/m³

8.2 Breathing protection: Wear breathing protection with insufficient

ventilation or risk of aerosols.

8.3 Eye protection: Protective glasses.

8.4 Hand protection: Protective gloves – before breaks and after

finishing work, hands need to be washed.

9. Physical / chemical characteristics:

9.1 Appearance: Lyophilisate, powder9.2 Colour: Colourless – light yellow

9.3 Odour: Odorless - weak

9.4 pH-value: 4 - 6

9.5 Boiling point:9.6 Melting point:

9.7 Blazing point:

9.8 Ignition temperature:9.9 Explosion pressure:9.10 Evaporation rate:

9.11 Density:

9.12 Solubility in water: Soluble

10. Stability and reactivity:

10.1 Hazardous reaction: Not known

10.2 Hazardous decomposition None

products:

11. Information to toxikology:

according to Regulation (EC) No. 1907/2006

Trade name: Penicillin/Streptomycin

10.000 U/ml/10.000 µg/ml, lyophilized

Cat.No.: A 2210

Manufacturer/supplier: Biochrom AG Datum: 25.11.2010

Filename.: SDS-A2210-en-03.doc Page 4 of 5

11.1 LD50 oral:Not known11.2 LD50:Not known11.3 LD50 dermal:Not known11.4 LD50 inhalativ:Not known

12. Information to ecology:

12.1 Water-hazardous- 3 (Selfassessment): severely hazardous to

classification: waters. The environmental characteristics of this

material have not been fully evaluated.

Releases to the environment should be avoided.

13. Information for disposal:

Contact a licensed professional waste disposal service to dispose this material. Disposal should be in accordance with existing practices at your institution. Observe all Federal, Provincial/State and Local Laws.

14. Information to transport

 14.1 GGVE/GGVS:
 14.4 RID/ADR:

 14.2 ICAO/IATA-DGR:
 14.5 Un-No.:

 14.3 GGVSee/IMDG-CODE:
 14.6 MFAG:

 14.7 EMS:

Does not apply to the current regulations for dangerous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

15. Regulations:

Do not inhalate. Wear suitable protective clothing, protective gloves and protective glasses/face protection. Wear breathing protection with insufficient ventilation. In case of indisposition, seek medical advice.

16. Special note:

The above information is believed to be correct but does not purport to be all

according to Regulation (EC) No. 1907/2006

Trade name: Penicillin/Streptomycin

10.000 U/ml/10.000 μ g/ml, lyophilized

Cat.No.: A 2210

Manufacturer/supplier: Biochrom AG Datum: 25.11.2010

Filename.: SDS-A2210-en-03.doc Page 5 of 5

inclusive and shall be used only as a guide. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.