



Biochrom AG SAFETY DATA SHEET

acc. to EG guideline 91/155/EWG

Trade name:

Phosphate Buffered Saline (10x)
PBS solution without $\text{Ca}^{2+}/\text{Mg}^{2+}$

Cat.No.:

L 1835

Manufacturer/supplier:

Biochrom AG

Date:

01.07.2009

Filename.: SDS-L1835-en-02.doc

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1. Name of substance and manufacturer/supplier:

1.1 Trade name:

Phosphate Buffered Saline (10x)
PBS solution without $\text{Ca}^{2+}/\text{Mg}^{2+}$

Cat.No.:

L 1835

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 emergency centre

2. Chemical characteristics / Ingredients

Only for *in vitro* use; contains salts.
Does not contain hazardous substances
legally required for labelling.
Currently nothing is known on possible
hazardous nature.

CAS-No.:

7647-14-5 NaCl

7558-79-4 $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$

7778-77-0 KH_2PO_4

7447-40-7 KCl

3. Possible hazard

3.1 Precautionary measures:

May be irritant to eyes, skin and upper
respiratory tract. Do not swallow or inhale
(risk of aerosols).
The general precautionary measures about
the use of chemicals have to be considered.

4. Emergency / First Aid:

4.1 Eye contact:

Flush eyes thoroughly with plenty of water
for 10-15 min with open lid. In case of
indisposition seek medical advice.



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4.2 Skin contact:

Wash skin with soap and plenty of water. In case of skin irritation, seek medical advice.

4.3 Ingestion:

Wash out mouth with plenty of water, do not swallow. In case of indisposition, call a physician.

4.4 Inhalation:

Fresh air, in case of indisposition seek medical advice. Possible irritation of mucous membranes and upper respiratory tract.

4.5 Puncture wounds:

Wash thoroughly with soap and water. Allow to bleed freely before disinfecting the wound. In case of irritation 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:

Absorb fluid, clean working area thoroughly.

6.2 Binder:

No restriction

Special precautions to restrict damage are not necessary

7. Storage and handling:

7.1 Handling:

Fluid not flammable. Avoid formation of aerosols. Avoid contact with skin, do not swallow.

7.2 Storage:

To be stored at +2 - +8 °C



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8. Exposition of restriction and personal protective clothes

- 8.1 MAK value:** None
- 8.2 Breathing protection:** In general not necessary, only with the formation of aerosols
- 8.3 Eye protection:** Safety 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:** Liquid
- 9.2 Colour:** Colourless
- 9.3 Odor:** None
- 9.4 pH value:** 7 - 8
- 9.5 Boiling point:** Not known
- 9.6 Melting point:** Not known
- 9.7 Blazing point:** Not known
- 9.8 Ignition temperature:** Not known
- 9.9 Explosion pressure:** Not known
- 9.10 Evaporation rate:** Not known
- 9.11 Density:** Not known
- 9.12 Solubility in water:** Soluble, solution

10. Stability and reactivity:

- 10.1 Hazardous reaction:** Not known if used as advised
- 10.2 Hazardous decomposition products:** None

11. Information to toxicology:

- 11.1 LD50 oral:** Not known
- 11.2 LD50:** Not known
- 11.3 LD50 dermal:** Not known
- 11.4 LD50 inhalativ:** Not known



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12. Information to ecology:

12.1 Water-hazardous
classification:

0 (Selfassessment)

13. Information for disposal:

By following public authority's rules, the remnants can be treated in a specially developed process.

14. Information to transport:

14.1 GGVE/GGVS:)
14.2 ICAO/IATA-DGR:)
14.3 GGVSee/IMDG-CODE:)
14.4 RID/ADR:)
14.5 Un-No.:)
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:

According to the EU directives, it is not necessary to declare this product as hazardous material.

16. Special note:

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.

For *in vitro* use only.