

# **Biochrom AG SAFETY DATA SHEET**

acc. to EG guideline 91/155/EWG

Trade name:

Phosphate Buffered Saline (PBS) solution  
with Ca/Mg

Cat.No.:

L 1815

Manufacturer/supplier:

Biochrom AG

Datum:

01.07.2009

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## **1. Name of substance and manufacturer/supplier:**

1.1 Trade name:

Phosphate Buffered Saline (PBS) solution  
with Ca/Mg

Cat.No.:

L 1815

1.2 Manufacturer/supplier:

Biochrom AG  
Leonorenstr. 2-6  
12247 Berlin / Germany  
Tel.: 030-7799060 – Telefax: 030-7710012  
email: [info@biochrom.de](mailto: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 Na<sub>2</sub>HPO<sub>4</sub>·2H<sub>2</sub>O

7778-77-0 KH<sub>2</sub>PO<sub>4</sub>

7447-40-7 KCl

7791-18-6 MgCl<sub>2</sub>·6H<sub>2</sub>O

10035-04-8 CaCl<sub>2</sub>·2H<sub>2</sub>O

## **3. Possible hazard**

3.1 Precautionary measures:

May be irritant to eyes, respiratory system, and skin. May be harmful if ingested, or inhaled.  
The general precautionary measures about the use of chemicals have to be considered.

## **4. Emergency / First Aid:**

4.1 Eye contact:

Immediately flush eyes with plenty of water for several minutes (10 – 15) with open lid.

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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:**

Wash out mouth with water, do not swallow. Call a physician.

**4.4 Inhalation:**

Fresh air, in case of indisposition seek medical advice. May be irritating to mucous membranes and upper respiratory tract.

**4.5 Puncture wounds:**

Wash thoroughly with soap and water. Allow to bleed freely. Call a physician.

**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, wash 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 breathing vapor. Avoid skin contact or swallowing.

**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: None
- 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:
- 9.6 Melting point:
- 9.7 Balzing point:
- 9.8 Ignition temperature:
- 9.9 Explosion pressure:
- 9.10 Evaporation rate:
- 9.11 Density:
- 9.12 Solubility in water:

## **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 flushed down the drain with plenty of water.

## **14. Angaben zum 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.