

# **Biochrom AG SAFETY DATA SHEET**

acc. to EG guideline 91/155/EWG

Trade name:

Hanks' salt solution (HBSS)  
with 0,35 g/l NaHCO<sub>3</sub>, without phenol red,  
without Ca<sup>2+</sup>, Mg<sup>2+</sup>

Cat.No.:

L 2045

Manufacturer/supplier:

Biochrom AG

Datum:

08.07.2009

Filename.: SDS-L2045-en-02.doc

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

1.1 Trade name:

Hanks' salt solution (HBSS)  
with 0,35 g/l NaHCO<sub>3</sub>, without phenol red,  
without Ca<sub>2+</sub>, Mg<sup>2+</sup>

Cat.No.:

L 2045

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
7447-40-7	KCl
7778-77-0	KH <sub>2</sub> PO <sub>4</sub>
7558-79-4	Na <sub>2</sub> HPO <sub>4</sub>
50-99-7	D-Glucose
144-55-8	NaHCO <sub>3</sub>

## 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.



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## **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:**

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.

### **4.6 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**



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## **7. Storage and handling:**

**7.1 Handling:**

Fluid not flammable. Avoid breathing aerosols. Avoid skin contact or swallowing.

**7.2 Storage:**

To be stored at +2 - +25 °C

## **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 Boiling 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



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## **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

## **12. Information to ecology:**

12.1 Water-hazardous classification:	0 (Selfassessment)
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## **13. Information for disposal:**

By following public authority's rules, the remnants can be flushed down the drain with plenty of water.

## **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.

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**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.