

# **Biochrom AG SAFETY DATA SHEET**

acc. to EG guideline 91/155/EWG

**Trade name:** Hanks' salts, powder substance  
**Cat.No.:** L 201-  
**Manufacturer/supplier:** Biochrom AG  
**Date:** 24.06.2009

Filename.: SDS-L201-en-01.doc

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

- 1.1 Trade name:** Hanks' salts, powder substance,  
without NaHCO<sub>3</sub>
- Cat.No.:** L 201-01/05/10/50
- 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**

Formula (g/l)	Hanks' Salts	CAS-No.
NaCl	8.000	7647-14-5
KCl	0.400	7447-40-7
Na <sub>2</sub> HPO <sub>4</sub>	0.048	7558-79-4
KH <sub>2</sub> PO <sub>4</sub>	0.060	7778-77-0
MgSO <sub>4</sub> ·7H <sub>2</sub> O	0.200	10034-99-8
CaCl <sub>2</sub> ·2H <sub>2</sub> O	0.185	10035-04-8
Phenolred-Na	0.010	34487-61-1
D-Glucose	1.000	50-99-7

Only for *in vitro* use. Does not contain hazardous substances legally required for labelling.

Currently nothing is known on possible hazardous nature.

## **3. Possible hazard**

- 3.1 Precautionary measures:** The general precautionary measures about the use of chemicals have to be considered. In general not water-hazardous.



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

### **4.1 Eye contact:**

Flush eyes thoroughly with plenty of water with open lid. In case of indisposition seek medical advice.

### **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, seek medical advice.

### **4.4 Inhalation:**

Fresh air, in case of indisposition seek medical advice.

### **4.5 Puncture wounds**

Allow to bleed freely before disinfecting the wound. In case of irritation seek medical advice.

### **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 cannot develop

## **6. Precautions for unintentional release:**

### **6.1 Precautions for spilling:**

Absorb fluid with water after dilution

### **6.2 Binder:**

No restriction

**Special precautions to restrict damage are not necessary**



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

### **7.1 Handling:**

The powder substance is not flammable. No special restrictions.

### **7.2 Storage:**

To be stored at +2 - +8°C

## **8. Exposition of restriction and personal protective clothes**

### **8.1 MAK value:**

None

### **8.2 Breathing protection:**

Not necessary

### **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:**

Powder

### **9.2 Colour:**

Light orange

### **9.3 Odor:**

Typical

### **9.4 pH value:**

### **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:**

Soluble

## **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: 1 (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.

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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.