

Trade name: DMEM/Ham's F-12 powder medium  
Cat.No.: T 481-  
Manufacturer/supplier: Biochrom AG  
Datum: 07.02.2008

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

1.1 Trade name: DMEM/Ham's F-12 powder Medium  
with L-glutamine, without NaHCO<sub>3</sub>

T 481-01/05/10/50

Cat.No.:

1.2 Manufacturer/supplier: Biochrom AG  
Leonorenstr. 2-6  
12247 Berlin / Germany  
Tel.: +49/30-7799060 – 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, only for cell culture applications. Contains salts, amino acids, vitamins, trace elements. Does not contain hazardous substances legally required for labelling.

Currently nothing is known on possible hazardous nature.

CAS-No.: not applicable

## 3. Possible hazard

3.1 Precautionary measures: May be irritant to eyes, respiratory system, and skin (risk of aerosols). 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: Flush eyes thoroughly with plenty of water. 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.

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**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 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:** Dilute with water, clean-up.

**6.2 Binder:** No restriction

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

### **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:** Only necessary with formation of aerosols

**8.3 Eye protection:** Safety glasses

**8.4 Hand protection:** Protective gloves – before breaks and after

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finishing work, hands need to be washed.

### **9. Physical / chemical characteristics:**

9.1 Appearance: Powder  
9.2 Colour: Yellowish - orange  
9.3 Odor: Typical odor of sulfurous amino acids  
9.4 pH value: 6 - 7  
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

### **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. 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.