

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifiers

Product name: DMEM, w: 1,0 g/L Glucose, w: stab. Glutamine, w: sodium pyruvate,  
w: 3,7 g/L NaHCO<sub>3</sub>

Product number: P04-02500

Brand: PAN Biotech

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

### Details of the supplier of the safety data sheet

Company: PAN Biotech GmbH  
Am Gewerbepark 13  
94501 Aidenbach  
GERMANY

Telephone: +49-(0)8543-6016-30  
Fax: +49-(0)8543-6016-49  
E-mail: info@pan-biotech.de

### Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

## 2. HAZARDS IDENTIFICATION

### Special Indication of HAZARDS to humans and the Environment

Not hazardous according to Directive 67/548/EEC.

### Principle Routes of Exposure/Potential Health effects

<b>Eyes</b>	May cause eye irritation with susceptible persons.
<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>Inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Specific effects</b>	
<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitisation</b>	none
<b>Target Organ Effects</b>	No known effects under normal use conditions

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

### 4. FIRST AID MEASURES

#### **Skin contact**

Rinse with plenty of water. If symptoms arise, call a physician.

#### **Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

#### **Ingestion**

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

#### **Inhalation**

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

#### **Notes to physician**

Treat symptomatically.

### 5. FIREFIGHTING MEASURES

#### **Suitable extinguishing media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus and protective suit.

### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions**

Use personal protective equipment.

#### **Methods for cleaning up**

Soak up with inert absorbent material.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so.

### 7. HANDLING AND STORAGE

#### **Handling**

Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

#### **Storage**

Keep in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure limits**

We are not aware of any national exposure limit.

### **Engineering measures**

Ensure adequate ventilation, especially in confined areas.

### **Personal protective equipment**

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection** Impervious gloves.

**Eye protection** Safety glasses with side-shields.

**Skin and body protection** Lightweight protective clothing.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

### **Environmental exposure controls**

Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	liquid
<b>Appearance</b>	No data available
<b>Odour</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Melting point/range</b>	No data available
<b>Flash point</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>oxidising properties</b>	No data available
<b>Water solubility</b>	soluble
<b>pH Range</b>	4.7-6.0

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition</b>	None under normal use.
<b>Products polymerisation</b>	Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

### **Acute toxicity**

Not hazardous

### **Principle Routes of Exposure/Potential Health effects**

**Eyes** May cause eye irritation with susceptible persons.

**Skin** May cause skin irritation in susceptible persons.

<b>Inhalation</b>	May be harmful by inhalation
<b>Ingestion</b>	May be harmful if swallowed.
<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitisation</b>	none
<b>Target Organ Effects</b>	No known effects under normal use conditions

## **12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity effects</b>	No data available.
<b>Mobility</b>	No data available.
<b>Biodegradation</b>	Inherently biodegradable.
<b>Bioaccumulation</b>	Does not bioaccumulate.

## **13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations

## **14. TRANSPORT INFORMATION**

<b>IATA</b>	
<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Hazard class</b>	None
<b>Subsidiary Class</b>	None
<b>Packing group</b>	None
<b>UN-No</b>	None

## **15. REGULATORY INFORMATION**

<b>International Inventories</b>	Complies
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## **16. OTHER INFORMATION**

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.pan-biotech.com](http://www.pan-biotech.com) or reverse side of invoice or packing slip for additional terms and conditions of sale.

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