

## Safety Data Sheet

DMEM High Glucose (4.5 g/l) Powder, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate

According to Regulation (EC) No. 1907/2006

Date of compilation 04.10.2017

Revision Date 27.11.2023

Version 002/11.2023

Replaces version of 31.08.2021 (Version 001/08.2021)

### Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

#### Product Identifiers

Product name: DMEM High Glucose (4.5 g/l) Powder, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate

Catalogue No: DMEM-HPA-P10, DMEM-HPA-P50

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

#### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified uses: Laboratory chemicals, Manufacture of substances. For research use only. Not intended for human or animal diagnostic or therapeutic uses.

#### Details of the Supplier of the Safety Data Sheet

Company: Capricorn Scientific GmbH  
Auf der Lette 13 A  
35085 Ebsdorfergrund  
Germany  
Phone: +49 6424 94464 0  
E-Mail: [info@capricorn-scientific.com](mailto:info@capricorn-scientific.com)

#### Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

### Section 2 Hazards Identifications

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### Label elements

Labelling according to Regulation (EC) No. 1272/2008.

**The product does not need to be labelled in accordance with EC directives or respective national laws.**

#### Other hazards

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This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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### Section 3 Composition/Information on Ingredients

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#### Mixture

Synonyms : DMEM

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

### Section 4 First Aid Measures

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#### Description of first aid measures

**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact** Wash off with soap and plenty of water.

**In case of eye contact** Rinse thoroughly with plenty of water, also under the eyelids.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if feeling unwell.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

#### Indication of any immediate medical attention and special treatment needed

No data available.

### Section 5 Firefighting Measures

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#### Extinguishing media

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

#### Special hazards arising from the substance or mixture

Nature of decomposition products not known. Not combustible. Ambient fire may liberate hazardous vapours.

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

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### Section 6 Accidental Release Measures

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#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. Always wear recommended Personal Protective Equipment. For personal protection see section 8.

#### Environmental precautions

Do not let product enter drains.

#### Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

### Section 7 Handling and Storage

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#### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Use personal protective equipment as required.

#### Conditions for safe storage, including any incompatibilities

Store in cool place. Keep in properly labelled containers tightly closed in a dry and well-ventilated place.

Recommended storage temperature +2°C to +8°C

#### Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

### Section 8 Exposure Controls/Personal Protection

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#### Control parameters

Components with workplace control parameters

#### Exposure controls

##### Appropriate engineering controls

General industrial hygiene and safety practice.

##### Personal protective equipment

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### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Not required; except in case of aerosol formation

### Control of environmental exposure

Do not let product enter drains.

## Section 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

|   |  |
|---|--|
| Appearance                                  | Off white to creamy white, homogenous Powder |
| Odor  | Odorless                                     |
| pH with Sodium Bicarbonate                  | 7.4-8.1                                      |
| Melting/freezing point                      | No data available.                           |
| Initial boiling point and range             | No data available.                           |
| Flash point                                 | No data available.                           |
| Evaporation rate                            | No data available.                           |
| Flammability (solid, gas)                   | No data available.                           |
| Upper/lower flammability or exposure limits | No data available.                           |
| Vapor pressure                              | No data available.                           |
| Vapor density                               | No data available.                           |
| Relative density                            | No data available.                           |
| Water solubility                            | Soluble                                      |
| Partition coefficient: n-octanol/water      | No data available.                           |
| Auto-ignition temperature                   | No data available.                           |
| Decomposition temperature                   | No data available.                           |

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Viscosity

No data available.

Explosive properties

No data available.

Oxidizing properties

No data available.

### Other safety information

No data available.

## Section 10 Stability and Reactivity

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### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available.

### Conditions to avoid

No data available.

### Incompatible materials

No data available.

### Hazardous decomposition products

None under normal use conditions. Other decomposition products: No data available.

In the event of fire: see section 5.

## Section 11 Toxicological Information

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### Information on toxicological effects

#### Acute toxicity

No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

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### Respiratory or skin sensitization

No data available.

### Germ cell mutagenicity

No data available.

### Carcinogenicity

No data available.

### Reproductive toxicity

No data available.

### Specific target organ toxicity – single exposure

No data available.

### Specific target organ toxicity – repeated exposure

No data available.

### Aspiration hazard

No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12

## Ecological Information

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### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.





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### Section 15 Regulatory Information

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In compliance with local and national regulations, this product is classified and labelled in accordance with Directive 1907/2006/EC.

#### Chemical safety assessment

For this product a chemical safety assessment was not carried out

### Section 16 Other Information

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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.