

## Safety Data Sheet

Dulbecco's Phosphate Buffered Saline (1x) Powder, w/o Ca & Mg, w/o Phenol Red

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 14.01.2024

Version 002/01.2024

Replaces Version of 04.08.2022 (Version 001/08.2022)

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

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#### Product Identifiers

Product name: Dulbecco's Phosphate Buffered Saline (DPBS), (1x) Powder, w/o Ca & Mg, w/o Phenol Red

Catalogue No: PBS-1A-P10, PBS-1A-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

#### 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

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#### Classification of the substance or mixture

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

#### Label elements

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

#### Other hazards

None.

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### Section 3 Composition/Information on Ingredients

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#### Mixtures

No components need to be disclosed to the applicable regulations.

### Section 4 First Aid Measures

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#### Description of first aid measures

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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

**In case of eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician

#### 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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Oxides of phosphorus, Hydrogen chloride gas, Potassium oxides, Sodium oxides.

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

No data available.

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### Section 6 Accidental Release Measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

#### Environmental precautions

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. 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

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 2 - 8 °C.

#### Storage class

Storage class (TRGS 510): 13: Non Combustible Solids.

#### 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

Personal protective equipment

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### Eye/face protection

Safety glasses with side-shields conforming to EN166 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact / Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

### 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

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Do not let product enter drains.

## Section 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance

Form: powder

color: Off-white to creamish white

Odor

Odorless

pH

No data available

Melting/freezing point

No data available

Initial boiling point and range

No data available

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|   |                   |
|---|-------------------|
| 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 |
| Vapour pressure                             | No data available |
| Vapour density                              | No data available |
| Relative density                            | No data available |
| Water solubility                            | No data available |
| Partition coefficient: n-octanol/water      | No data available |
| Autoignition temperature                    | No data available |
| Decomposition temperature                   | No data available |
| Viscosity (kinematic/dynamic)               | No data available |
| Explosive properties                        | No data available |
| Oxidizing properties                        | No data available |
| <b>Other safety information</b>             | 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

Strong oxidizing agents.

Hazardous decomposition products

In the event of fire: see section 5.

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### 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/irritation     | No data available   |
| Respiratory or skin sensitization | No data available   |
| Germ cell mutagenicity            | No data available   |
| Reproductive toxicity             | No data available   |
| Carcinogenicity                   | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen. |

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration Hazard No data available

Additional information 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.

#### Results of PBT and vPvB assessment

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.

#### Other adverse effects

No data available.

### Section 13 Disposal Considerations

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#### Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

##### Contaminated packaging

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Dispose of as unused product.

### Section 14 Transport Information

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**UN-number**

ADR/RID: -                      IMDG: -                      IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -                      IMDG: -                      IATA: -

**Packaging group**

ADR/RID: -                      IMDG: -                      IATA: -

**Environmental hazards**

ADR/RID: no                      IMDG Marine pollutant: no                      IATA: no

**Further information**

Not classified as dangerous in the meaning of transport regulations.

### Section 15 Regulatory Information

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**Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**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.