

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-07-14

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Phosphate Buffered Saline (PBS) Solution
Article number: 10-9402, 18-2067

1.2 Relevant identified uses of the substance or mixture, and uses advised against

Identified uses: Laboratory chemical, buffer solution for various applications

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0)18 56 11 80
Facsimile: +46 (0)18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Not classified as hazardous substance or mixture

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

This product does not need to be labelled in accordance with EC directive or respective national laws.

Signal word: -

Hazard statement(s): -

Precautionary statement(s): -

Complementary hazard information

No further information

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.2 Mixtures

No component needs to be disclosed according to applicable regulations.

4. First aid measures

4.1 Description of first aid measures

If swallowed	Rinse mouth immediately with plenty of water; get medical attention
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; if breathing is difficult, give oxygen; get medical attention
In case of skin contact	Wash off with soap and plenty of water; consult a physician
In case of eye contact	Remove contact lenses if present and easy-to-do; rinse thoroughly with plenty for at least 15 min; consult a physician
General advice	Consult a physician; show this data sheet to the doctor in attendance

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: dry chemical powder, water spray, fog or alcohol-resistant foam

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for fire fighters

Wear self-contained breathing apparatus and full turnout gear if necessary

5.4 Further information

No further information

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment; ensure adequate ventilation

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and material for containment and cleaning up

Sweep up and shovel; keep in suitable and closed container for disposal

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Wear suitable protective clothing; avoid contact with skin, eyes and clothing

7.2 Conditions for safe storage, including any incompatibilities

Store at 2-8°C in a tightly closed container; use original container

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and off hours and at the end of the workday.

Personal protective equipment

Eye/face protection

Safety glasses (EN 166)

Skin protection

Use gloves; gloves must be inspected before use; wash and dry hands after use.

Body Protection

Lab coat / 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 most conditions, no respiratory protection is needed; if, however, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	colourless liquid
Odour	no data available
Odour threshold	no data available
pH	7.4 at 25°C
Melting point/ freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour 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
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No further information

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents, strong acids

10.6 Hazardous decomposition products

No data available

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/ eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

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 by IARC.

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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

Potential health effects

Inhalation	May be harmful if inhaled; may cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.

12. Ecological information**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations**13.1 Waste treatment methods**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product

14. Transport information**14.1 UN-number**

ADR-RID: -	IMDG: -	IATA: -
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14.2 UN proper shipping name

ADR-RID:	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods

14.3 Transport hazard class(es)

ADR-RID: -	IMDG: -	IATA: -
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14.4 Packaging group

ADR-RID: -	IMDG: -	IATA: -
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14.5 Environmental hazards

ADR-RID:	no
IMDG, water pollutant:	no
IATA:	no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

15. Regulatory information

This data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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

No data available

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use