

# SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006  
Generic EU MSDS – No country specific data  
REVISION DATE: 2014-05-13

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

### 1.1 Product identifier

Product name: Phosphate Buffered Saline (PBS), pH 7.4  
Article number: 12-9426, 12-9425, 12-9422, 12-9424, 12-9423

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

Identified uses: Laboratory chemical, manufacture of substances

### 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) Nr 1272/2008 (EU-GHS/CLP)  
Not hazardous according to Regulation (EC) No. 1272/2008.

### 2.2 Label elements

Labelling according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)  
The product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3 Other hazards

None

## 3. Composition/information on ingredients

### 3.2 Mixtures

No components need to be disclosed according to the applicable regulations.

## 4. First aid measures

### 4.1 Description of first aid measures

If swallowed	In case of ingestion, immediately flush mouth with plenty of water. Get medical attention.
If inhaled	If inhaled, remove to fresh air. If 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	Check for and remove any contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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

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

No data available.

## 5. Fire fighting measures

### 5.1 Extinguishing media

Use dry chemical powder. Large fire: Use 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 data available.

## 6. Accidental release measures

### 6.1 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.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.3 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. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

Store at room temperature in tightly closed container. Store in a well ventilated place. Use original container.

### 7.3 Specific end use(s)

No data available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No components with workplace control parameters.

### 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

##### Skin protection

Use gloves. Wash and dry hands after use.

##### 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

If necessary, 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	Form: powder
Odour	no data available
Odour threshold	no data available
pH	7.4
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 data available

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.3 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

### 11.1.2 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.

#### Reproductive toxicity

No data available

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**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	Causes 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: -

**14.2 UN proper shipping name**

ADR-RID, IMDG, IATA: -

**14.3 Transport hazard class(es)**

ADR-RID, IMDG, IATA: -

**14.4 Packaging group**

ADR-RID, IMDG, IATA: -

**14.5 Environmental hazards**

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

**14.6 Special precautions for user**

No available data

## 15. Regulatory information

This safety datasheet 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.