

MATERIAL SAFETY DATA SHEET

Phosphate Buffered Saline (PBS) without potassium

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

Product name: Phosphate Buffered Saline (PBS) without potassium
Chemical formula: N/A
Art. no.: 09-9420, 09-9500
Manufacturer: Medicago AB
Danmark Berga
755 98 Uppsala
Sweden
Phone: +46 (0) 18 56 11 80
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Emergency phone: 112 (Sweden)

2. Hazards identification

Physical/chemical hazards: N/A
Human health hazards: Not hazardous according to directive 67/548/EEC.

3. Composition/information on ingredients

Chemical name:	CAS no:	EC no:	Classification:
Sodium Chloride	7647-14-5	231-598-3	-
Disodium hydrogen phosphate	7558-79-4	231-448-7	-
Sodium di hydrogen phosphate	7558-80-7	231-449-2	-

4. First-aid measures

Ingestion: In case of ingestion, immediately flush mouth with plenty of water. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact: In case of contact, immediately flush skin with soap and plenty of water.
Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Flammability of the product: May be combustible at high temperature.
Extinguishing media: Use dry chemical powder. Large fire: Use water spray, fog or appropriate foam.
Hazardous thermal (de)composition products: Emits toxic fumes under fire conditions.
Special fire-fighting procedures: Wear self-contained breathing apparatus and full turnout gear.

6. Accidental release measures

Personal precautions:	Safety goggles. Full suit. Boots. Gloves. Minimize direct contact with skin or eyes.
Methods for cleaning up:	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface.

7. Handling and storage

Handling:	Do not breathe dust. Wear suitable protective clothing. Avoid contact with, skin, eyes and clothing.
Storage:	Store at room temperature in tightly closed container. Use original container.

8. Personal protection/exposure controls



Protecting clothing:	
Personal protective equipment:	Safety goggles, gloves, dust respirator, lab coat.
Engineering measures:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures:	Wash hands after handling compounds and before eating, smoking and using lavatory.

9. Physical and chemical properties

Physical state:	Solid.
Colour:	White.
Molecular Weight:	Not available.
Solubility:	Easily soluble in water.
Flash point:	Not available.
Explosive properties:	Risks of explosion of the product in presence of mechanical impact: not available. Risks of explosion of the product in presence of static discharge: not available.

10. Stability and reactivity

Stability:	Stable.
Conditions to avoid:	N/A
Hazardous decomposition products:	N/A

11. Toxicological information

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

Route of exposure:
Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed.

Target organ information:
Central nervous system. Kidneys.

12. Ecological information

Ecotoxicity:	N/A
Toxicity of the products of biodegradation:	The product itself and its products of degradation are not toxic.

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

RID/ADR:	Not controlled under RID/ADR.
IMDG:	Not controlled under IMDG.
IATA:	Not controlled under IATA.
Special provisions for transport:	N/A

15. Regulatory information

EU Regulations

Classification: -

US Federal Regulations

TSCA: -

Germany -

16. Other information

Precautions and Disclaimer: For laboratory use only. Not for drug, household or other uses.

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Notice to reader

To the best of our knowledge, the information given is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.