

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
 Generic EU MSDS – No country specific data
 REVISION DATE: 2014-03-19

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

1.1 Product identifier

Product name: HEPES Buffered Saline (HBS) tablets
 Article number: 09-8500

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

Identified uses: Laboratory chemical, buffer used for cell culture, enzymology, chromatography, and general biochemistry

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)
 Classified as not hazardous

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)
 Labeled as not hazardous

Signal word: -
 Hazard statement(s): -
 Precautionary statement(s): -

Complementary hazard information
 No further information

2.3 Other hazards

No further information

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Sodium Chloride	7647-14-5	231-598-3	70 - 80%	Not classified
HEPES-Na	75277-39-3	278-169-7	20 - 30 %	Not classified

4. First aid measures

4.1 Description of first aid measures

If swallowed	rinse mouth with plenty of water; get medical attention
If inhaled	move to fresh air; if not breathing give artificial respiration; if breathing is difficult, give oxygen; get medical attention
In case of skin contact	wash with water and soap; get medical attention if irritation persists
In case of eye contact	remove contact lenses if present and easy-to-do; wash with plenty of water for at least 15 min; get medical attention if irritation persists
General advice	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: Use dry chemical powder, for large fire use water spray, fog or foam

5.2 Special hazards arising from the substance or mixture

May be combustible at high temperatures

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting if necessary

5.4 Further information

No further information

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear safety goggles, gloves, lab coat and boots; minimize contact with skin and eyes

6.2 Environmental precautions

No data available

6.3 Methods and material for containment and 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

6.4 Reference to other sections

For disposal see section 13

7. Handling and storage

7.1 Precautions for safe handling

Do not breathe dust; wear suitable protection clothing, avoid contact with skin, eyes, and clothes

7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature in 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

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
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Personal protective equipment**Eye/face protection:** use safety goggles**Skin protection:** use proper gloves to avoid skin contact; gloves must be inspected prior use**Body Protection:** use lab coat / impervious clothing**Respiratory protection:** use dust respirator**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	solid, white tablets
Odour	not data available
Odour threshold	no data available
pH	7,4 at 22° 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 in water
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

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

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

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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

Potential health effects

No data available

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

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

ADR-RID: - IMDG: - IATA: -

14.2 UN proper shipping nameADR-RID: no dangerous goods
IMDG: no dangerous goods
IATA: no dangerous goods**14.3 Transport hazard class(es)**

ADR-RID: - IMDG: - IATA: -

14.4 Packaging group

ADR-RID: - IMDG: - IATA: -

14.5 Environmental hazardsADR-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

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.

Precautions and Disclaimer: For laboratory use only, not for drug, household or other use