

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
 Generic EU MSDS – No country specific data
 REVISION DATE: 2014-02-06

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

1.1 Product identifier

Product name: Glycine-HCl buffer
 Article number: 12-9121

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

Identified uses: Laboratory chemical

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 (Sweden): Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EG) Nr 1272/2008 (EU-GHS/CLP)

Not a hazardous substance or mixture 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.

Signal word none

Hazard statement(s) none

Precautionary statement(s) none

Complementary hazard information No data available

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Classification according to constitution (EG) no 1272/2008 (CLP)
Glycine	56-40-6	200-272-2	This substance is not classified in the Annex I of Directive 67/548/EEC/
Glycine hydrochloride	6000-43-7	227-841-8	This substance is not classified in the Annex I of Directive 67/548/EEC/

4. First aid measures

4.1 Description of first aid measures

If swallowed	Do NOT induce vomiting. Contact medical personnel/poison center. Give water or milk to drink. Never give anything by mouth to an unconscious person.
If inhaled	Move person to fresh air. If symptoms persist, call a physician.
In case of skin contact	Wash skin with large amounts of water and wash off with soap. If symptoms persist, call a physician.
In case of eye contact	Flush eyes with water as a precaution.
General advice	Seek medical advice. Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire fighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides, hydrogen chloride gas.

5.3 Advice for fire fighters

Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.

5.4 Further information

No data

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Do not create dust. Clean contaminated surface thoroughly.

6.4 Reference to other sections

See section 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

The usual precautions for handling chemicals should be observed. Avoid any direct contact with the material. Avoid creating dust and aerosols.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, well ventilated place.

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Appropriate engineering controls

Eye/face protection

Safety glasses

Skin protection

Protective synthetic gloves. Gloves must be inspected prior to use.

Body Protection

Complete suit protecting against chemicals

Respiratory protection

Do not breathe dust. In case of dust or aerosol formation use respirator with an approved filter.

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	3.0
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 dangerous reactions known

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as carbon oxides, nitrogen oxides (NO_x).

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity

No data available

Skin corrosion/irritation

Caustic effect on skin and mucous membranes.

Serious eye damage/ eye irritation

No data available

Respiratory or skin sensitization

No sensitizing effects known

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No components 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

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 be harmful if absorbed through 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

In accordance with local and national regulations. Do not dispose waste into sewer. Do not dispose together with household waste.

14. Transport information

14.1 UN-number

ADR-RID: - IMDG: - IATA: -

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: -

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 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

For this product a chemical safety assessment was not carried out

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.