

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
 Generic EU MSDS – No country specific data
 REVISION DATE: 2014-07-04

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

1.1 Product identifier

Product name: Tris-Glycine-SDS Buffer, pH 8.3
 Article number: 12-9222, 12-9223

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: 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: Acute Toxicity (category 4), H302
 Skin Irritation (category 2), H315
 Hazardous to aquatic environment (category 3), H412

2.2 Label elements

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



Signal word: Warning

Hazard statement(s):

H302 Harmful if swallowed
 H315 Causes skin irritation
 H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s):

P280 Wear protective gloves/protective clothing/eye protection/face protection
 P301+312 IF SWALLOWED: Call POISON CENTER/doctor if you feel unwell
 P302+352 IF ON SKIN: Wash with plenty of water
 P362 Take off contaminated clothes and wash it before re-use

Complementary hazard information

No further information

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Glycine	56-40-6	200-272-2	-	70-80%	Not classified
Tris	77-86-1	201-064-4	-	15-20%	Not classified
SDS	151-21-3	205-788-1	-	<9%	Acute Tox. 4; H302 Skin Irrit 2; H315 Aquatic Chronic 3; H412

For the full text of the H-Statements in this section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If swallowed	Rinse mouth with water, never give anything by mouth to an unconscious person; get medical attention
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash off with soap and plenty of water; remove contaminated clothes; get medical attention
In case of eye contact	Wash immediately with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; get medical attention
General advice	Get medical attention, 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: water spray, fog, foam, dry chemical powder, carbon dioxide

5.2 Special hazards arising from the substance or mixture

Carbon oxides, sodium oxides

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

Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable protection gloves and boots; wash hands before and after use; wash contaminated clothes before re-use

6.2 Environmental precautions

Do not let product enter drains, surface water or groundwater

6.3 Methods and material for containment and cleaning up

Sweep/shovel up spilled material into a suitable waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water over the contaminated area and ventilate the room

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid dust formation; assure adequate ventilation where dust is formed; avoid contact with skin and eyes

7.2 Conditions for safe storage, including any incompatibilities

Store in a closed container in a dry, cool and well-ventilated area

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 general hygiene procedures; 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

Personal protective equipment

Eye/face protection	Wear safety goggles (EN 166)
Skin protection	Use proper lab gloves; gloves must be inspected prior to use
Body Protection	Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Respiratory protection	If necessary use dust respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	solid, white powder
Odour	no data available
Odour threshold	no data available
pH	8.3 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

Exposure to heat, flames and sparks

10.5 Incompatible materials

Strong oxidizing agents, reducing agents, metals, alkalis

10.6 Hazardous decomposition products

In case of fire: carbon oxides, sodium oxides

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

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

Inhalation	May cause respiratory tract irritation
Ingestion	Harmful if swallowed
Skin	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

(Continued on page 5)

