

Product Name:	Glycine	Version:	1
Product Code:	960	Date:	2013-04-15
Manufacturer:	AMINO GmbH		

1. Substance/ Preparation of the substance and name of the company

1.1 Substance name

Glycine

1.2 Name and address of the manufacturer and supplier

Amino GmbH
An der Zucker-Raffinerie 9
38373 Frellstedt
Germany

Phone: +49 5355/ 91 00 0
Fax: +49 5355/ 91 00 713
Emergency Information:
Emergency Telephone: +49 53 55/ 91 00 0 (from Monday to Friday between 8 am and 5 pm)
Contact for information: msds@amino.de

1.3 Use of substance/preparation

infusion and injection, pharmaceutical actives, intermediates, specialized nutritional products, cell culture media, excipients

2. Hazards identification

The present results for assessment are not applicable for classification by hazard characteristics according to the guideline 67/ 548/ EWG and CLP-regulation no. 1272/2008 and the appropriate national legislation.

3. Composition/ Information on ingredients

CAS No.: 56-40-6
EC No.: 200-272-2
Molecular weight: 75.07 g/mol
Formula: $C_2H_5NO_2$
Chemical name: Aminoacetic acid

4. First aid measures

4.1 General: Remove contaminated clothes.
4.2 Inhalation: Remove patient to fresh air and seek medical advice in case of irritation.
4.3 Skin contact: After skin contact wash affected area with plenty of water. Remove contaminated clothes. Seek medical advice.
4.4 Eye contact: Rinse thoroughly with water whilst lifting eyelids. Seek medical advice.
4.5 Ingestion (bigger amounts): Rinse mouth and drink plenty of water. Do not induce vomiting. In case of indisposition seek medical advice .
4.6 Notes to physicians: --

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5. Fire fighting measures

- 5.1 Fire extinguishing media: CO₂, powder, foam, water.
- 5.2 Particular hazards: In case of fire hazardous fumes might emerge.
- 5.3 In case of fire might emerge: Nitrogen gases.
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6. Accidental release measures

- 6.1 Precautionary measures: Avoid raising dust. Do not breathe dust.
- 6.2 Clean up activities: Sweep up dry, dispose as waste and clean subsequently.
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7. Handling and storage

- 7.1 Handling: Avoid rising dust.
- 7.2 Storage: Dry and in tightly closed containers at room temperature.
No particular requirements.
- 7.3 Storage class: 10 - 13
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8. Exposure controls and personal protection

- 8.1 Additional points for the development of technical equipment: --
- 8.2 Personal protection: Breathing protection: dustmask P1
Eye protection: protective glasses
Hand protection: protective gloves
Body protection: wearing of suitable protective clothes
- Informations on working hygiene: wash hands thoroughly after contact with the material,
remove contaminated clothes immediately
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9. Physical and chemical properties

- 9.1 Appearance:
- Form: crystals
- Colour: white
- Odour: odourless

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9.2 Security relevant data:

pH value:	5.9 – 6.3 (5%, 25°C)
Melting temperature:	233°C (under decomposition)
Boiling temperature:	not available
Ignition temperature:	not available
Combustion point:	not available
Explosion limits:	lower not available upper not available
Density:	not available
Bulk density:	not available
Solubility in water (20°C)	22.5 g / 100 g H ₂ O
Thermal decomposition:	not available

10. Stability and reactivity

10.1 Incompatible materials and conditions to avoid:

Strong oxidizing agents

10.2 Hazardous combustion and decomposition products:

Toxic fumes of carbonmonoxide, carbondioxide, nitrogenoxides, NH₃

11. Toxicological information

11.1 Acute toxicity:

Classification relevant LD/LC 50 values: 7930 mg/kg [rat], 4920 mg/kg [mouse]

Primary irritation:
irritation

11.2 Chronic effects: --

11.3 Experiences on humans: --

11.4 More toxic informations:

Amino acid. No toxic health effects known when properly stored.

11.5 Other informations:

This material is to handle with the necessary care as for chemicals.

12. Ecological information

At proper handling and use no ecological harms are known.

Other informations: none

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13. Disposal information

Product:
Disposal according to legal regulations.

Packaging:
Disposal according to legal regulations.

14. Transportation information

No hazardous material according to the transportation regulations.

15. Regulatory information

15.1 Labelling according to the EU regulations

The present results for assessment are not applicable for classification by hazard characteristics according to the guideline 67/ 548/ EWG and CLP-regulation no. 1272/2008 and the appropriate national legislation, therefore no hazardous symbol, labelling and R-phrases / H-phrases and S-phrases / P-phrases are necessary.

15.2 German regulations:

Water hazardous classification:	1
Others:	--

16. Other information

The data given herein are based on current knowledge and experience. There is no demand of completeness and the user should consider this Safety Data Sheet only as a guide.

Revision index

reason of revision	valid from
Version 1: issue of this document	2013-04-15
