

Product Name:	<b>L-Alanine</b>	Version:	1
Product Code:	<b>950</b>	Date:	2013-04-15
Manufacturer:	<b>AMINO GmbH</b>		

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

### 1.1 Substance name

L-Alanine

### 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

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## 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.

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## 3. Composition/ Information on ingredients

CAS No.: 56-41-7  
EC No.: 200-273-8  
Molecular weight: 89.09 g/mol  
Formula:  $C_3H_7NO_2$   
Chemical name: L-2-Amino-propionic acid

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## 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 about 10 minutes. 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: CO<sub>2</sub>, 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 raising 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:  | characteristical |

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## 9.2 Security relevant data:

pH value:	5.5 – 7.0 (2,5%, 25°C)
Melting temperature:	297°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)	15.8 g / 100 g H <sub>2</sub> O
Thermal decomposition:	not available

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## 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

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## 11. Toxicological information

### 11.1 Acute toxicity:

Classification relevant LD/LC 50 values: not known

### Primary irritation:

Ingestion of bigger amounts may *possibly* damage health. *May* cause eye irritation.

### 11.2 Chronic effects:

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### 11.3 Experiences on humans:

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### 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.

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## 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.

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### 14. Transportation information

No hazardous material according to the transportation regulations.

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### 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:	--

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### 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

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