

Product Name:	N-Acetyl-L-Methionine	Version:	3
Product Code:	931	Date:	2010-11-30
Manufacturer:	AMINO GmbH		

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

1.1 Substance name

N-Acetyl-L-Methionine

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

Causes eye irritation

3. Composition/ Information on ingredients

CAS No.: 65-82-7
EINECS No.: 200-617-7
Molecular weight: 191,24 g/mol
Formula: $C_7H_{13}NO_3S$

4. First aid measures

- 4.1 General: --
- 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 for at least 15 minutes whilst lifting eyelids. Seek medical advice.
- 4.5 Ingestion: Drink plenty of water and wash out mouth with water. Seek medical advice.
- 4.6 Notes to physicians: --
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5. Fire fighting measures

- 5.1 Fire extinguishing media: All conventional fire extinguishing media. Wear breathing apparatus.
- 5.2 Particular hazards: Emits toxic fumes under fire conditions.
- 5.3 Protection of Fire-fighters: Should wear proper protective equipment and self-contained breathing apparatuses.
- 5.4 Other Notes: Avoid infiltration of fire fighting water in surface water and groundwater.

6. Accidental release measures

- 6.1 Precautionary measures: Avoid contact. Avoid raising dust, don't inhale dust.
- 6.2 Clean up activities: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
- 6.3 Environmental measure: Do not allow into drainage.

7. Handling and storage

- 7.1 Handling: Wear suitable protective glasses and protective gloves. Follow the producer's chemical resistance information for protective clothes.
- 7.2 Storage: Dry and dark at room temperature in tightly closed containers.
- 7.3 Storage class: --

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: | chemical resistant protective gloves (acid-proof) |
| Body protection: | wearing of suitable chemical resistant protective clothes |
- Informations on working hygiene: Change contaminated clothing against clean clothing. Use skin protective cream as a preventive. Wash hands thoroughly after contact with the material.

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9. Physical and chemical properties

9.1 Appearance:

Form:	crystals/ crystalline powder
Colour:	white
Odour:	none

9.2 Security relevant data:

pH value:	not available
Melting temperature:	103 °C
Boiling temperature:	not available
Ignition temperature:	not available
Combustion point:	not available
Explosion limits: lower	not available
upper	not available
Density:	not available
Solubility in water (20 °C)	not available
Thermal decomposition:	not available

10. Stability and reactivity

10.1 Incompatible materials and conditions to avoid:
excess heat, strong oxidants

10.2 Hazardous combustion and decomposition products:
Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

11. Toxicological information

11.1 Acute toxicity:

Classification relevant LD/LC 50 values: LD50 Intravenous (Mouse): 435 mg/kg

11.2 Chronic effects: unknown

11.3 Experiences on humans: May cause irritation. May be harmful by inhalation, ingestion or skin absorption.

11.4 Other information: This material is to handle with the necessary care for chemicals.

12. Ecological information

no data available

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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.
RID/ADR: Non-hazardous for road transport.
IMDG: Non-hazardous for sea transport.
IATA: Non-hazardous for air transport.

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 are necessary.

S-/P-phrase:	24, 25 / 262 37, 39 / 280	Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.
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15.2 German regulations:

Water hazardous classification:	1
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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	2008-03-01
Version 2: general update	2008-02-10
Version 3: general update in chapter 1, 2, 15 and header, change in chapter 2 and 3, classification of substances according to 67/548/EWG and CLP-regulation no. 1272/2008, inclusion of revision index in chapter 16	2010-11-30