

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2025-01-16  
Print Date: 2025-01-17

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : L-Asparagine Monohydrate  
Product Number : A108223  
Brand : aladdin  
CAS-No. : 5794-13-8

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

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram : no data available  
Signal word : no data available  
Hazard statement(s)  
Precautionary statement(s)

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms : (S)-(+)-2-Aminosuccinamic acid (S)-2-Aminosuccinic acid 4-amide L-Aspartic acid 4-amide L-Asparagine monohydrate L-2-Aminosuccinamic acid L-Asparagine

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|                  |                                                                |
|------------------|----------------------------------------------------------------|
| Formula          | : C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub> |
| Molecular weight | : 150.13                                                       |
| CAS No.          | : 5794-13-8                                                    |
| EC-NO.           | : 200-735-9                                                    |

| Component                       | Classification    | Concentration |
|---------------------------------|-------------------|---------------|
| <b>L-Asparagine Monohydrate</b> |                   |               |
|                                 | no data available | ≥99%          |

**SECTION 4: First aid measures****4.1 Description of first aid measures****General advice**

no data available

**If inhaled**

If breathed in, move person into fresh air. If not breathing give artificial respiration

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**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

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

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

**Unsuitable extinguishing media**

no data available

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides, nitrogen oxide

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information**

no data available

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

### 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

**Appropriate engineering controls**

General industrial hygiene practice.

**Personal protective equipment**

**Eye/face protection**

Safety glasses

**Skin protection**

For prolonged or repeated contact use protective gloves.

**Body Protection**

no data available

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95

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(US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| a) Appearance                                   | form: crystal powder color: White |
| b) Odour                                        | no data available                 |
| c) Odour Threshold                              | no data available                 |
| d) pH                                           | no data available                 |
| e) Melting point/freezing point                 | 233 - 235 °C (451 - 455 °F)       |
| f) Initial boiling point and boiling range      | no data available                 |
| g) Flash point                                  | no data available                 |
| h) Evaporation rate                             | no data available                 |
| i) Flammability (solid, gas)                    | no data available                 |
| j) Upper/lower flammability or explosive limits | no data available                 |
| k) Vapour pressure                              | no data available                 |
| l) Vapour density                               | no data available                 |
| m) Relative density                             | 1.600 g/cm <sup>3</sup>           |
| n) Water solubility                             | no data available                 |
| o) Partition coefficient: n-octanol/water       | no data available                 |
| p) Auto-ignition temperature                    | no data available                 |
| q) Decomposition temperature                    | no data available                 |
| r) Viscosity                                    | no data available                 |
| s) Explosive properties N                       | no data available                 |
| t) Oxidizing properties N                       | no data available                 |

### 9.2 Other safety information

no data available

## SECTION 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

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**10.4 Conditions to avoid**

no data available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx)

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

May be harmful if inhaled.May cause respiratory tract irritation.

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

No component 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**

May be harmful if inhaled.May cause respiratory tract irritation.

**Additional Information**

no data available

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**SECTION 12: Ecological information****12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

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**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

**SECTION 13:**

**13.1 Disposal considerations**

**Product**  
 Observe all federal, state, and local environmental regulations.  
**Contaminated packaging**  
 Dispose of as unused product.

**SECTION 14: Transport information**

|                                          |                                            |                                             |
|------------------------------------------|--------------------------------------------|---------------------------------------------|
| <b>DOT (US)</b>                          |                                            |                                             |
| UN number: no data available             | Packing group: no data available           | Class: no data available                    |
| Proper shipping name: no data available  | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Environmental Hazards: no data available |                                            |                                             |
| <b>IMDG</b>                              |                                            |                                             |
| UN number: no data available             | Packing group: no data available           | EMS-No: no data available                   |
| Proper shipping name: no data available  |                                            |                                             |
| <b>IATA</b>                              |                                            |                                             |
| UN number: no data available             | Packing group: no data available           | Class: no data available                    |
| Proper shipping name: no data available  |                                            |                                             |

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**SECTION 16: Other information**

|             |                                        |
|-------------|----------------------------------------|
| Prepared By | Regulatory Affairs                     |
|             | ALADDIN SCIENTIFIC CORPORATION         |
|             | Email: QualityAssurance@aladdinsci.com |

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|-------------------------|-------------------------|
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| <b>Revision Summary</b> | SDS sections updated v1 |

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