

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-16

Print Date: 2025-09-22

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

### 1.1 Product identifiers

Product name : di-Ammonium oxalate monohydrate  
Product Number : D433052  
Brand : aladdin  
CAS-No. : 6009-70-7

### 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)

Acute toxicity - Oral [Category 4]

Acute toxicity - Dermal [Category 4]

Corrosive to metals [Category 1]

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H290

May be corrosive to metals

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|                                   |                                                                            |
|-----------------------------------|----------------------------------------------------------------------------|
| H302+H312                         | Harmful if swallowed or in contact with skin                               |
| <b>Precautionary statement(s)</b> |                                                                            |
| P264                              | Wash hands [and ...] thoroughly after handling.                            |
| P270                              | Do not eat, drink or smoke when using this product.                        |
| P280                              | Wear protective gloves/protective clothing/eye protection/face protection. |
| P321                              | Specific treatment (see ... on this label).                                |
| P330                              | Rinse mouth.                                                               |
| P302+P352                         | IF ON SKIN: wash with plenty of water.                                     |
| P362+P364                         | Take off contaminated clothing and wash it before reuse.                   |
| P501                              | Dispose of contents/container to an approved waste disposal plant.         |
| P301+P317                         | IF SWALLOWED: Get medical help.                                            |
| P317                              | Get emergency medical help.                                                |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Synonyms         | : di-Ammonium oxalate monohydrate, Oxalic acid ammonium salt                      |
| Formula          | : (NH <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> O <sub>4</sub> ·H <sub>2</sub> O |
| Molecular weight | : 142.11                                                                          |
| CAS No.          | : 6009-70-7                                                                       |
| EC-NO.           | : 238-135-4                                                                       |

| Component                              | Classification    | Concentration                         |
|----------------------------------------|-------------------|---------------------------------------|
| <b>di-Ammonium oxalate monohydrate</b> |                   |                                       |
|                                        | no data available | Basic-Grade Reagents, for Preparation |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General advice**

Immediate medical attention is required.

**If inhaled**

Transfer to fresh air and call a doctor or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, take oxygen.

**In case of skin contact**

Need immediate medical attention. Wash immediately with soap and plenty of water, and remove all contaminated

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clothing and shoes at the same time.

**In case of eye contact**

Need immediate medical attention. Rinse immediately with plenty of water and also under the eyelids for at least 15 minutes. Keep your eyes open while flushing.

**If swallowed**

Do not induce vomiting. Clean your mouth with water, then drink plenty of water. Call your doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

**Unsuitable extinguishing media**

no data available

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

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

**5.3 Advice for firefighters**

Wear self-contained breathing and full protective equipment

**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**

Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

**6.2 Environmental precautions**

Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

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

If safe, prevent further leakage or spillage. Lift it mechanically and place it in a suitable container for disposal.

Thoroughly clean contaminated surfaces. Use personal protective equipment as needed. Cover the powder spillage

with plastic cloth or waterproof cloth to minimize diffusion and keep the powder dry. Avoid dust generation. After cleaning, wash away traces with water.

## 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

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

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

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store at room temperature.

### 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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the

sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

**Control of environmental exposure**

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| a) Appearance                                   | no data available |
| b) Odour                                        | no data available |
| c) Odour Threshold                              | no data available |
| d) pH                                           | no data available |
| e) Melting point/freezing point                 | 133 °C            |
| f) Initial boiling point and boiling range      | 365.1°C           |
| 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                             | no data available |
| 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                    | 133 °C            |
| 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

## 10.4 Conditions to avoid

Exposure to air or moisture over prolonged periods.

## 10.5 Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

## 10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbonoxides. Nitrogen oxides (NO<sub>x</sub>).

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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

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

#### 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

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**SECTION 13:****13.1 Disposal considerations****Product**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information****DOT (US)**

UN number: UN1759

Packing group: III

Class: 8

Proper shipping name: Corrosive solids, Reportable Quantity(RQ): no data  
n.o.s. availablePoison Inhalation Hazard: no data  
available

Environmental Hazards: no data available

**IMDG**

UN number: UN1759

Packing group: III

EMS-No: F-A,S-B

Proper shipping name: Corrosive solids, n.o.s.

**IATA**

UN number: UN1759

Packing group: III

Class: 8

Proper shipping name: Corrosive solids, n.o.s.

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**SECTION 15: Regulatory information**

Please note that waste disposal should also meet local regulations. If applicable, the chemical meets the requirements of the Regulations on the Safety Management of Hazardous Chemicals (adopted by the State Council on December 4, 2013).

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**SECTION 16: Other information**

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**Creation Date**

07-Dec-2022

**Revision Date**

16-Sep-2025

**Print Date**

22-Sep-2025

**Revision Summary**

SDS sections updated v1

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