

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-20

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

### 1.1 Product identifiers

|                |                         |
|----------------|-------------------------|
| Product name   | : Oxalic acid dihydrate |
| Product Number | : O111918               |
| Brand          | : aladdin               |
| CAS-No.        | : 6153-56-6             |

### 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,<br>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



Signal word

Danger

Hazard statement(s)

|      |                                                                |
|------|----------------------------------------------------------------|
| H302 | Harmful if swallowed                                           |
| H312 | Harmful in contact with skin                                   |
| H315 | Causes skin irritation                                         |
| H318 | Causes serious eye damage                                      |
| H373 | Causes damage to organs through prolonged or repeated exposure |

Precautionary statement(s)

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|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P260           | Do not breathe dust/fume/gas/mist/vapors/spray.                                                                                  |
| 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.                                                               |
| P264+P265      | Wash hands [and ...] thoroughly after handling. Do not touch eyes.                                                               |
| P301+P317      | IF SWALLOWED: Get medical help.                                                                                                  |
| P305+P354+P338 | IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P317           | Get emergency medical help.                                                                                                      |
| P332+P317      | If skin irritation occurs: Get medical help.                                                                                     |
| P319           | Get medical help if you feel unwell.                                                                                             |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Synonyms         | : Ethanedioic acid                                                |
| Formula          | : C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O |
| Molecular weight | : 126.07                                                          |
| CAS No.          | : 6153-56-6                                                       |
| EC-NO.           | : 205-634-3                                                       |

| Component             | Classification    | Concentration         |
|-----------------------|-------------------|-----------------------|
| Oxalic acid dihydrate | no data available | ≥99.998% metals basis |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous

#### If inhaled

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

#### In case of skin contact

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

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**If swallowed**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

## **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

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## **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**

Hazardous decomposition products formed under fire conditions.- Carbon oxides

### **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**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### **6.2 Environmental precautions**

Do not let product enter drains

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

no data available

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

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

### 7.3 Specific end use(s)

no data available

## 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 EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves 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.

##### Body Protection

Complete suit protecting against chemicals, 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 full-face 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

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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|                                                 |                                           |
|-------------------------------------------------|-------------------------------------------|
| a) Appearance                                   | form: transparent color: colorless        |
| b) Odour                                        | no data available                         |
| c) Odour Threshold                              | no data available                         |
| d) pH                                           | no data available                         |
| e) Melting point/freezing point                 | 101-102°C                                 |
| f) Initial boiling point and boiling range      | 86.9°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                              | < 0.01 hPa (< 0.01 mmHg) at 20 °C (68 °F) |
| l) Vapour density                               | no data available                         |
| m) Relative density                             | no data available                         |
| n) Water solubility                             | no data available                         |
| o) Partition coefficient: n-octanol/water       | log Pow: -0.81                            |
| 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

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Bases, Metals, Acid chlorides, Alkali metals

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Skin - rabbit - Mild skin irritation

#### 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 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. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

#### Additional Information

no data available

## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

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**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**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product

**SECTION 14: Transport information**

**DOT (US)**

|                                                                                                                                                         |                                            |                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|
| UN number: no data available                                                                                                                            | Packing group: no data available           | Class: no data available                    |
| Proper shipping name: UN number: 3261 Class: 8 Packing group: III Proper shipping name: Corrosive solid, acidic, organic, n.o.s.(Oxalic acid dihydrate) | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Reportable Quantity (RQ): Marine pollutant: No Poison Inhalation Hazard: No                                                                             |                                            |                                             |
| Environmental Hazards: no data available                                                                                                                |                                            |                                             |

**IMDG**

|                                                                                                                                                         |                                                |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------|
| UN number: no data available                                                                                                                            | Packing group: no data available               | EMS-No: no data available    |
| Proper shipping name: UN number: 3261 Class: 8 Packing group: III Proper shipping name: Corrosive solid, acidic, organic, n.o.s.(Oxalic acid dihydrate) | Reportable Quantity (RQ): Marine pollutant: No | Poison Inhalation Hazard: No |

**IATA**

|                                                                                                                                                         |                                                |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------|
| UN number: no data available                                                                                                                            | Packing group: no data available               | Class: no data available     |
| Proper shipping name: UN number: 3261 Class: 8 Packing group: III Proper shipping name: Corrosive solid, acidic, organic, n.o.s.(Oxalic acid dihydrate) | Reportable Quantity (RQ): Marine pollutant: No | Poison Inhalation Hazard: No |

**SECTION 15: Regulatory information**

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

**SECTION 16: Other information**

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**Revision Summary**

SDS sections updated v1

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