# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200



## Oxalic Acid, Dihydrate, Lab Grade

## SECTION 1: Identification

### Product identifier

**Product name:** Oxalic Acid, Dihydrate, Lab Grade
**Product code:** S25455

### Recommended use of the product and restriction on use

**Relevant identified uses:** Not determined or not applicable.
**Uses advised against:** Not determined or not applicable.
**Reasons why uses advised against:** Not determined or not applicable.

### Manufacturer or supplier details

| **Manufacturer:** | **Supplier:** |
|---|---|
| AquaPhoenix Scientific | Fisher Science Education |
| 860 Gitts Run Road | 6771 Silver Crest Road |
| Hanover | Nazareth |
| PA 17331 | PA 18064 |
| (717) 632-1291 | 800 955-1177 |

### Emergency telephone number:

**United States**

Emergency Telephone No.: 800-255-3924

## SECTION 2: Hazard(s) identification

### GHS classification:

Acute toxicity (oral), category 4
Acute toxicity (dermal), category 4
Serious eye damage, category 1

### Label elements

**Hazard pictograms:**

**Signal word:** Danger

### Hazard statements:

H302 Harmful if swallowed
H312 Harmful in contact with skin
H318 Causes serious eye damage

### Precautionary statements:

P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P312 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
P322 Specific measures (see supplemental first aid instructions on this label)
P363 Wash contaminated clothing before reuse

P302+P352+P312 If on skin: Wash with soap and water. Call a poison center or doctor/physician if you feel unwell
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P405 Store locked up
P501 Dispose of contents and container as instructed in Section 13

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

| Identification | Name | Weight % |
|---|---|---|
| CAS number: 6153-56-6 | Oxalic acid dihydrate | 100 |

**Additional Information:** None

## SECTION 4: First aid measures

### Description of first aid measures

**General notes:**
Not determined or not applicable.

**After inhalation:**
Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway

**After skin contact:**
Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Wash affected area with soap and water
Seek medical attention if symptoms develop or persist

**After eye contact:**
Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Remove contact lens(es) if able to do so during rinsing
Immediately call a POISON CONTROL CENTER or seek medical attention

**After swallowing:**
Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists
Call a POISON CONTROL CENTER or seek medical attention if you feel unwell
Do not induce vomiting
Rinse mouth and then drink plenty of water

### Most important symptoms and effects, both acute and delayed

**Acute symptoms and effects:**
Not determined or not applicable.

**Delayed symptoms and effects:**
Not determined or not applicable.

### Immediate medical attention and special treatment

**Specific treatment:**
Not determined or not applicable.

**Notes for the doctor:**

Not determined or not applicable.

## SECTION 5: Firefighting measures

**Extinguishing media**

**Suitable extinguishing media:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

**Unsuitable extinguishing media:**

Not determined or not applicable.

**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors

**Special protective equipment for firefighters:**

Wear protective eye wear, gloves and clothing
Refer to Section 8

**Special precautions:**

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols
Avoid contact with skin, eyes and clothing

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

**Environmental precautions:**

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing

**Reference to other sections:**

Not determined or not applicable.

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Do not eat, drink, smoke or use personal products when handling chemical substances.
Avoid breathing mist or vapor.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

**Occupational Exposure limit values:**

No occupational exposure limits noted for the ingredient(s).

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Information on monitoring procedures:**

Not determined or not applicable.

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

**Personal protection equipment**

**Eye and face protection:**

Safety goggles or glasses, or appropriate eye protection.

**Skin and body protection:**

Select glove material impermeable and resistant to the substance.

**Respiratory protection:**

When necessary, use NIOSH-approved breathing equipment.

**General hygienic measures:**

Wash hands before breaks and at the end of work.
Avoid contact with skin, eyes and clothing.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Solid |
| **Odor** | Not determined or not available. |
| **Odor threshold** | Not determined or not available. |
| **pH** | 1 at 126.1 g/l at 25°C (77°F) |
| **Melting point/freezing point** | Not determined or not available. |
| **Initial boiling point/range** | Not determined or not available. |
| **Flash point (closed cup)** | Not determined or not available. |
| **Evaporation rate** | Not determined or not available. |
| **Flammability (solid, gas)** | Not determined or not available. |
| **Upper flammability/explosive limit** | Not determined or not available. |
| **Lower flammability/explosive limit** | Not determined or not available. |
| **Vapor pressure** | 21.5 mbar at 50°C (122°F) |
| **Vapor density** | 4.62 |
| **Density** | Not determined or not available. |
| **Relative density** | Not determined or not available. |
| **Solubilities** | ca.126.1 g/l at 20°C (68°F) |
| **Partition coefficient (n-octanol/water)** | log Pow: -0.81 |
| **Auto/Self-ignition temperature** | Not determined or not available. |
| **Decomposition temperature** | 157°C |
| **Dynamic viscosity** | Not determined or not available. |
| **Kinematic viscosity** | Not determined or not available. |
| **Explosive properties** | Not determined or not available. |
| **Oxidizing properties** | Not determined or not available. |

**Other information**

## SECTION 10: Stability and reactivity

**Reactivity:**

Does not react under normal conditions of use and storage.

**Chemical stability:**

Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**

None under normal conditions of use and storage.

**Conditions to avoid:**

None known.

**Incompatible materials:**

None known.

**Hazardous decomposition products:**

None known.

## SECTION 11: Toxicological information

**Acute toxicity**

**Assessment:** Harmful if swallowed Harmful in contact with skin

**Product data:** No data available.

**Substance data:** No data available.

**Skin corrosion/irritation**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Serious eye damage/irritation**

**Assessment:** Causes serious eye damage

**Product data:** No data available.

**Substance data:** No data available.

**Respiratory or skin sensitization**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Carcinogenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

**Germ cell mutagenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Reproductive toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Specific target organ toxicity (single exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Specific target organ toxicity (repeated exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Aspiration toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:** No data available.

**Other information:** No data available.

## SECTION 12: Ecological information

**Acute (short-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Chronic (long-term) toxicity**

**Product data:** No data available.

**Substance data:** No data available.

**Persistence and degradability**

**Product data:** No data available.

**Substance data:** No data available.

**Bioaccumulative potential**

**Product data:** No data available.

**Substance data:** No data available.

**Mobility in soil**

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11)

## SECTION 14: Transport information

**United States Transportation of dangerous goods (49 CFR DOT)**

| | |
|---|---|
| **UN number** | UN3261 |
| **UN proper shipping name** | Corrosive solid, acidic, organic, n.o.s. (Oxalic acid dihydrate) |
| **UN transport hazard class(es)** | 8   |
| **Packing group** | II |
| **Environmental hazards** | None |
| **Special precautions for user** | None |

**International Maritime Dangerous Goods (IMDG)**

**Oxalic Acid, Dihydrate, Lab Grade**

| | |
|---|---|
| **UN number** | UN3261 |
| **UN proper shipping name** | Corrosive solid, acidic, organic, n.o.s. (Oxalic acid dihydrate) |
| **UN transport hazard class(es)** | 8   |
| **Packing group** | II |
| **Environmental hazards** | None |
| **Special precautions for user** | None |

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**

| | |
|---|---|
| **UN number** | UN3261 |
| **UN proper shipping name** | Corrosive solid, acidic, organic, n.o.s. (Oxalic acid dihydrate) |
| **UN transport hazard class(es)** | 8   |
| **Packing group** | II |
| **Environmental hazards** | None |
| **Special precautions for user** | None |

## SECTION 15: Regulatory information

**United States regulations**

**Inventory listing (TSCA):**

| | | |
|---|---|---|
| 6153-56-6 | Oxalic acid dihydrate | Not Listed |

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 311/312 hazards:**

| Acute | Chronic | Fire | Pressure | Reactive |
|---|---|---|---|---|
| No | No | No | No | No |

**SARA Section 302 extremely hazardous substances:** Not determined.

**SARA Section 313 toxic chemicals:**

| | | |
|---|---|---|
| 6153-56-6 | Oxalic acid dihydrate | Not Listed |

**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

**Massachusetts Right to Know:**

| | | |
|---|---|---|
| 6153-56-6 | Oxalic acid dihydrate | Listed |

**New Jersey Right to Know:**

| | | |
|---|---|---|
| 6153-56-6 | Oxalic acid dihydrate | Listed |

**New York Right to Know:**

| | | |
|---|---|---|
| 6153-56-6 | Oxalic acid dihydrate | Listed |

**Pennsylvania Right to Know:**

| | | |
|---|---|---|
| 6153-56-6 | Oxalic acid dihydrate | Listed |

**California Proposition 65:** None of the ingredients are listed.

**Oxalic Acid, Dihydrate, Lab Grade**

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**NFPA:** 3-0-0

**HMIS:** 3-0-0-X

**Initial preparation date:** 01.19.2018

**End of Safety Data Sheet**