

Revision: 2.0  
(Replaces revision 1.1 of 16 April 2021)Revision date: 29 April 2021  
Date printed: 16 September 2024**Section 1. Identification**

**1.1 Product Identifier** CHE2726

Product Name OXALIC ACID 2H<sub>2</sub>O pure 250g.

CAS Number 6153-56-6  
REACH Registration No 01-2119534576-33-XXXX

Molecular Formula (COOH)<sub>2</sub> · 2H<sub>2</sub>O =126.07

**1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

**1.3 Supplier** Scientific Laboratory Supplies

Unit 6, Foresters Avenue  
Fairham Business Park  
Fairham  
Nottingham  
NG11 2AF  
UNITED KINGDOM

Phone 0115 9821111  
Fax 0115 9825275  
Email sales@scientific-labs.com

**1.4 Emergency Telephone** (08:00-17:00) 0115 9821111  
(24hr) 112  
(Have this document to hand)

**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Acute toxicity, category 4 (oral) H302: Harmful if swallowed.  
Acute toxicity, category 4 (dermal) H312: Harmful in contact with skin.

**2.2 Label elements****Labelling according to regulation 1272/2008/EC**

Signal word Warning

Hazard Pictograms



Hazard Statements Harmful in contact with skin. Harmful if swallowed.

Precautionary Statements    Wear protective gloves / protective clothing / eye protection. Do not breathe fume/vapours. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

## Section 3. Composition

### 3.1 Substances

| Component   | CAS No.   | EEC No.   | REACH No.             | Conc w/w | CLP Classification (1272/2008/CE)  |
|-------------|-----------|-----------|-----------------------|----------|------------------------------------|
| Oxalic acid | 6153-56-6 | 205-634-3 | 01-2119534576-33-XXXX | 99.5%    | Acute Tox. 4 (O), Acute Tox. 4 (D) |

## Section 4. First Aid

### 4.1 Description of first aid measures

|                                      |  |
|--------------------------------------|--|
| Eyes                                 | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.  |
| Skin                                 | Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION. |
| Inhalation                           | Remove from exposure.  |
| Ingestion                            | Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION URGENTLY.  |
| Personal protection for first aiders | Wear protective gloves / eye protection.   |

### 4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

|                     |                    |
|---------------------|--------------------|
| Extinguishing Media | Water spray.       |
| Unsuitable Media    | Nothing specified. |

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

|         |   |
|---------|---|
| Hazards | May evolve toxic fumes if involved in a fire. |
|---------|---|

### 5.3 Advice for firefighters

|                         |  |
|-------------------------|--|
| Advice for firefighters | Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. |
|-------------------------|--|

## Section 6. Accidental Release Measures

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

|                     |   |
|---------------------|---|
| Personal Protection | Avoid breathing dust-wear respiratory protective equipment. |
|---------------------|---|

### 6.2 Environmental precautions

|               |  |
|---------------|--|
| Environmental | Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs. |
|---------------|--|

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

|                |  |
|----------------|--|
| Major Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water. |
|----------------|--|

Minor Spillage

Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water.

#### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

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

Well ventilated, cool, dry storage . Keep well separated from oxidising agents.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

| Component   | CAS No    | Concentration | Workplace Exposure Limits |                         |   |            |
|-------------|-----------|---------------|---------------------------|-------------------------|---|------------|
|             |           |               | Long Term (8hr TWA)       | Short Term 15min period |   |            |
| Oxalic acid | 6153-56-6 | 99.5%         | -                         | 1.0 mg/m-3              | - | 2.0 mg/m-3 |

Exposure data source(s) IOELV: Indicative Occupational Exposure Limit Value.

### 8.2 Exposure controls

Respiratory Protection If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                       |                           |
|-----------------------|---------------------------|
| Appearance            | White crystalline powder. |
| Odour                 | No specific odour.        |
| pH                    | 1 @ 20°C solution.        |
| Boiling Point         | 165°C                     |
| Melting Point         | 101°C                     |
| Flash Point           | Not applicable            |
| Upper Flammable Limit | Not applicable            |
| Lower Flammable Limit | Not applicable            |
| Auto Ignition         | Not applicable            |
| Explosive Properties  | No.                       |
| Oxidising Properties  | No.                       |
| Vapour Pressure       | Not applicable            |
| Relative Density      | 1.6530                    |
| Water Solubility      | 12.8%                     |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|      |                                    |  |
|------|------------------------------------|--|
| 10.1 | Reactivity                         | No data available.                                 |
| 10.2 | Chemical Stability                 | Stable under normal conditions                     |
| 10.3 | Possibility of hazardous reactions | No data available.                                 |
| 10.4 | Conditions to Avoid                | No specific conditions.                            |
| 10.5 | Incompatible Materials             | Strong oxidising agents. Acids. Alkalis.           |
| 10.6 | Hazardous Decomposition Products   | May produce hazardous fumes if involved in a fire. |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |  |
|----------------------|--|
| Eyes                 | Contact with the solid or dust will be irritating to the eyes.               |
| Skin                 | Contact with the solid or dust will irritate the skin.                       |
| LD50 Skin            | 1100mg/kg Acute toxicity estimate  |
| Ingestion            | Ingestion will cause nausea, abdominal discomfort, vomiting and diarrhoea.   |
| LD50 Oral            | 500mg/kg Acute toxicity estimate   |
| Inhalation           | Inhalation of dust may produce irritation of the eyes and respiratory tract. |
| LD50 Inhalation      | Not available  |
| TCLo                 | Not available  |
| Carcinogenicity      | Not considered to be a carcinogen.   |
| Mutagenicity         | Not considered to be a mutagen.  |
| Reproductive Effects | None identified.   |

## Section 12. Ecological

|      |                                  |  |
|------|----------------------------------|--|
| 12.1 | Toxicity                         | Readily bio-degraded in the environment. LC50, fish [ <i>leuciscus idus</i> ] 48hr: 160mg/l ;EC50, daphnia 24hr: 61mg/l; EC50 Bacteria 16 hr 41mg/l. |
|      | LC50 Algal                       | Not available  |
|      | LC50 Crustacea                   | Not available  |
|      | LC50 Fish                        | Not available  |
| 12.2 | Persistence and degradability    | No data available.   |
| 12.3 | Bioaccumulative potential        | No data available.   |
| 12.4 | Mobility in soil                 | No data available.   |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required.   |
| 12.6 | Other adverse effects            | None known at present.   |

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |  |
|------------------------|--|
| Disposal Methods       | Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer.   |

## Section 14. Transport Information

|  |                                  |
|--|----------------------------------|
| <b>14.1 UN Number</b>                    | Non-restricted                   |
| <b>14.2 Proper Shipping Name</b>         | Non-restricted                   |
| <b>14.3 Transport classes</b>            |                                  |
| UN classification                        | None                             |
| Subsidiary hazard(s)                     | None                             |
| Transport category                       | None                             |
| ADR Hazard ID                            | Non-restricted                   |
| Tunnel Restriction Code                  | Non-restricted                   |
| <b>14.4 Packing Group</b>                | None                             |
| <b>14.5 Environment hazards</b>          | See section 12.                  |
| <b>14.6 Special precautions for user</b> | No special precautions required. |
| <b>14.7 Transport in bulk</b>            | Not transported in bulk.         |

## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Acute toxicity, category 4 (oral); Acute toxicity, category 4 (dermal)

Signal word Warning

Hazard Pictograms



Hazard Statements H312, H302  
Harmful in contact with skin. Harmful if swallowed.

Precautionary Statements P280, P260, P303+P361+P353, P304+P340, P305+P351+P338, P301+P330+P331  
Wear protective gloves / protective clothing / eye protection. Do not breathe fume/vapours. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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