



# POOLKARE CHEMICALS

## Oxalic Acid: 0.1 - 10% w/v

### Safety Data Sheet

according to GHS and ADG Rules and Regulations  
Date of issue: 28.02.2017 Revision date: 27.02.2022 Version: 1.0

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

### 1.1. Product identifier

Product form : Mixture  
Product name : Oxalic Acid, 0.1 - 10%  
Product code : Probe Cleaner

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

Use of the substance/mixture : FOR CLEANING PROBES

### 1.3. Details of the supplier of the safety data sheet

Wobelea Pty Ltd  
18 Embrey Court,  
Pakenham Vic 3810  
[wobelea@wobelea.com.au](mailto:wobelea@wobelea.com.au) - [www.wobelea.com.au](http://www.wobelea.com.au)

### 1.4. Emergency telephone number

Emergency number : (03) 5997 1690  
Poisons Information Centre : 13 11 26

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GHS classification – Hazardous according to GHS and Non – Dangerous good according to ADG**

Skin Irrit. 2 H315  
Eye Irrit. 2A H319

### 2.2. Label elements

#### GHS- labelling

Hazard pictograms (GHS) :



GHS07

Signal word (GHS) : Warning  
Hazard statements (GHS) : H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
Precautionary statements (GHS) : P264 - Wash exposed skin thoroughly after handling  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse

### 2.3. Other hazards

Other hazards not contributing to the classification : None.

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable  
Full text of H-phrases: see section 16

### 3.2. Mixture

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| Name                   | Product identifier | %        | GHS-US classification                   |
|------------------------|--------------------|----------|---|
| Water                  | (CAS No) 7732-18-5 | 90       | Not classified                          |
| Oxalic Acid, Dihydrate | (CAS No) 6153-56-6 | 10 (max) | Skin Corr. 1B, H314<br>Eye Dam. 1, H318 |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Chronic symptoms : Kidney disorders.

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

Obtain medical assistance.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : Safety glasses. Gloves. Protective clothing.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Wash exposed skin thoroughly after handling.

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use.
- Incompatible products : Strong oxidizers. silver nitrate. Mercury (Hg). Sodium hypochlorite. Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Oxalic Acid, Dihydrate (6153-56-6) |                                     |                     |
|------------------------------------|-------------------------------------|---------------------|
| USA ACGIH                          | ACGIH TWA (mg/m <sup>3</sup> )      | 1 mg/m <sup>3</sup> |
| USA ACGIH                          | ACGIH STEL (mg/m <sup>3</sup> )     | 2 mg/m <sup>3</sup> |
| USA OSHA                           | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 1 mg/m <sup>3</sup> |

### 8.2. Exposure controls

- Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Clear, colorless liquid.
- Colour : Colourless.
- Odour : Odourless.
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Self ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : No data available
- Solubility : Soluble in water.
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions. Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong oxidizers. Sodium hypochlorite. silver nitrate. Strong bases.

### 10.6. Hazardous decomposition products

formic acid. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Oxalic Acid, Dihydrate (6153-56-6) |             |
|------------------------------------|-------------|
| LD50 oral rat                      | 7500 mg/kg  |
| LD50 dermal rat                    | 20000 mg/kg |

| Water (7732-18-5) |               |
|-------------------|---------------|
| LD50 oral rat     | ≥ 90000 mg/kg |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

| Oxalic Acid, Dihydrate(6153-56-6)         |   |
|---|---|
| LC50 fishes 1                             | 34.1 mg/l (96 h; Pimephales promelas; Anhydrous form) |
| LC50 other aquatic organisms 1            | 100 - 1000 mg/l (96 h; Anhydrous form)                |
| EC50 Daphnia 1                            | 137 mg/l (48 h; Daphnia magna; Anhydrous form)        |
| LC50 fish 2                               | 160 mg/l (48 h; Leuciscus idus; Anhydrous form)       |
|   |   |
| TLM fish 1                                | 4000 mg/l (24 h; Lepomis macrochirus; Anhydrous form) |
| Threshold limit other aquatic organisms 1 | 100 - 1000,96 h; Anhydrous form                       |

| Oxalic Acid, Dihydrate(6153-56-6) |   |
|-----------------------------------|---|
| Threshold limit algae 1           | 790 mg/l (168 h; Scenedesmus quadricauda; Anhydrous form) |
| Threshold limit algae 2           | 80 mg/l (192 h; Microcystis aeruginosa; Anhydrous form)   |

#### 12.2. Persistence and degradability

| Oxalic Acid, 10% w/v          |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| Oxalic Acid, Dihydrate(6153-56-6) |  |
|-----------------------------------|--|
| Persistence and degradability     | Readily biodegradable in water. Readily biodegradable in water in anaerobic conditions. Photolysis in water. Biodegradable in the soil. Photolysis in the air. |

| Water (7732-18-5)             |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

#### 12.3. Bioaccumulative potential

| Oxalic Acid, 10% w/v      |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Oxalic Acid, Dihydrate(6153-56-6) |                                  |
|-----------------------------------|----------------------------------|
| Log Pow                           | -1.74 (Estimated value)          |
| Bioaccumulative potential         | Bioaccumulation: not applicable. |

| Water (7732-18-5)         |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

#### Additional information

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Other information : No supplementary information available.

### ADR

Transport document description :

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Oxalic Acid, Dihydrate (6153-56-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. Other regulations

#### Oxalic Acid, Dihydrate (6153-56-6)

Not listed on the Canadian DSL (Domestic Substances List) inventory.

|                      |                              |
|----------------------|------------------------------|
| WHMIS Classification | Class E - Corrosive Material |
|----------------------|------------------------------|

#### Oxalic Acid, 10% w/v

|   |   |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory | Listed on Division 2 Subdivision B - Toxic material causing other toxic effects |
|---|---|

|                      |   |
|----------------------|---|
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
|----------------------|---|

### EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP] Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

### 15.2.2. National regulations

#### Oxalic Acid, Dihydrate (6153-56-6)

Not listed on the Canadian Ingredient Disclosure List

#### Water (7732-18-5)

Not listed on the Canadian Ingredient Disclosure List

### 15.3. Regulations no information

No additional information available

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### SECTION 16: Other information

Other information : None.

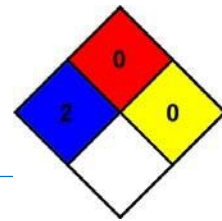
Full text of H-phrases: see section 16:

|               |  |
|---------------|--|
| Eye Dam. 1    | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B         |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2          |
| H314          | Causes severe skin burns and eye damage        |
| H315          | Causes skin irritation                         |
| H318          | Causes serious eye damage                      |
| H319          | Causes serious eye irritation                  |

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

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\*\*\*\*\* END OF SDS \*\*\*\*\*