



## Safety Data Sheet

Date of Issue: 01.09.2020

Date of Expiry: 01.09.2025

### 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name: : **ECP Limited**  
Address: : PO Box 34125, Birkenhead, Auckland 0746  
Telephone: : +64 9 480 4386  
Facsimile: : +64 9 480 4385  
Emergency phone number: : 0800 243 622 (24 hours)

<b>Product</b>	<b>Oxalic Acid</b>	<b>Code</b>	<b>3480</b>
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**Recommended use** : Laboratory Investigations

### 2: Hazards identification

#### 2.1 GHS Classification

Acute toxicity, Oral (Category D)  
Acute toxicity, Dermal (Category D)  
Skin irritation (Category B)  
Serious eye damage (Category A)

#### 2.2 GHS Label elements, including precautionary statements

##### Hazard Pictogram



Signal Word : **Danger**

##### Hazard statement(s)

H302 : Harmful if swallowed.  
H312 : Harmful in contact with skin.  
H316 : Causes mild skin irritation.  
H318 : Causes serious eye damage.

##### Precautionary statement(s)

###### Prevention

P264 : Wash skin thoroughly after handling.  
P270 : Do not eat, drink or smoke when using this product.

###### Response

P301 + P312 : IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
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.  
P310 : Immediately call a POISON CENTER/doctor.  
P322 : Specific measures (see supplemental first aid instructions on this label).  
P330 : Rinse mouth.  
P332 + P313 : If skin irritation occurs: Get medical advice/ attention.  
P363 : Wash contaminated clothing before reuse.

**Disposal**

P501 : Dispose of contents/ container to an approved waste disposal plant.

**2.3 Other hazards** - none

**3: Composition/information on ingredients**

Substance / Mixture : Substance

**3.1 Substances****Hazardous components**

Component	Classification	Concentration
Oxalic Acid	6.1 D; 6.3 B; 8.3 A; H302, H312, H316, H318	<= 100 %

**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.

**If inhaled**

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

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Kidney injury may occur., Contact with eyes can cause damage to the eyes.

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

No data available

**5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

No data available

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available

## 6: Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, 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

For disposal see section 13

## 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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

### 7.3 Specific end use(s)

No data available

## 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits Table

Component	CAS No.	Value	Control parameters	Basis
Oxalic acid	144-62-7	WES-TWA	1 mg/m <sup>3</sup>	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
		WES-STEL	2 mg/m <sup>3</sup>	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

### 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.

##### 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.

##### 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 or 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.

## 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- a) Appearance
- |        |          |
|--------|----------|
| Form   | : powder |
| Colour | : white  |
- b) Odour : odourless
- c) Odour Threshold : No data available
- d) pH : 1.3 at 9 g/l
- e) Melting point/freezing point : Melting point/range: 189.5 °C - dec.
- f) Initial boiling point and boiling range : 157 °C at 1,013 hPa
- 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 at 20 °C
- l) Vapour density : No data available
- m) Relative density : 1.9 g/cm<sup>3</sup> at 25 °C
- n) Water solubility : 108 g/l at 25 °C - soluble
- o) Partition coefficient: noctanol/water : log Pow: -1.699 at 23 °C
- p) Auto-ignition temperature : No data available
- q) Decomposition temperature : No data available
- r) Viscosity : No data available

## 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

Avoid moisture.

### 10.5 Incompatible materials

Metals, Alkali metals

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

## 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - female - 1,080 mg/kg

LD50 Dermal - Rabbit - 20,000 mg/kg

**Skin corrosion/irritation**

Skin - Rabbit - No skin irritation - OECD Test Guideline 404

**Serious eye damage/eye irritation**

Eyes - Rabbit - Risk of serious damage to eyes. - 24 h - OECD Test Guideline 405

**Respiratory or skin sensitisation**

Mouse - Does not cause skin sensitisation.

**Germ cell mutagenicity**

Genotoxicity in vitro - *S. typhimurium* - with and without metabolic activation - negative

**Carcinogenicity**

IARC: 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**

No data available

**Potential health effects**

Inhalation : May be harmful if inhaled. May cause respiratory tract irritation

Ingestion : Harmful if swallowed.

Skin : Harmful if absorbed through skin. May cause skin irritation.

Eyes : Causes eye burns.

**Signs and Symptoms of Exposure**

Kidney injury may occur., Contact with eyes can cause damage to the eyes.

**Additional Information**

Repeated dose toxicity - Lowest observed adverse effect level - 150 mg/kg

RTECS: RO2450000

**12: Ecological information****12.1 Toxicity**

Toxicity to fish static test LC50 - *Leuciscus idus melanotus* - 160 mg/l - 48 h

**Toxicity to daphnia and other aquatic invertebrates**

Immobilization EC50 - *Daphnia magna* (Water flea) - 162.2 mg/l - 48 h

Method: OECD Test Guideline 202

**12.2 Persistence and degradability**

Biodegradability aerobic - Exposure time 20 d

Result: 89 % - Readily biodegradable.

**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

### 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. 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

### 14: Transport Information Table

		ADR/RID – European packaging certification	IMDG International Maritime Dangerous Goods Code	IATA – DGR International Air Travel Association – Dangerous Goods Regulations
14.1	UN Number	-	-	-
14.2	UN Proper Shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3	Transport Hazard Class	-	-	-
14.4	Packaging group	-	-	-
14.5	Environmental Hazards	No	No	No
14.6	Special precautions for user	No data available		

### 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulatory information

HSNO Group Standard Approval: HSR002596 - Laboratory Chemicals and Reagent Kits Group Standard 2006

Tracking Required: not required, not required

Approved Handler Cert.: not required, not required

### 16: Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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