

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier Oxalic Acid - 100%

Other Names Oxalic acid

Manufacturer's Product Code OXA

Recommended Use

Details of Supplier/Manufacturer

Company:	Minehan Agencies
Address:	
Phone:	1800 112144
Website:	


Emergency Telephone Numbers

Business Hours:	07 47744626
After Hours:	
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

Hazardous chemical	<i>according to classification by Safe Work Australia</i>
Non-dangerous goods	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

Signal Word	WARNING
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GHS Classification	Pictogram	Hazard statement
Acute Toxicity - Oral, Category 4	 EXCLAMATION MARK	H302 Harmful if swallowed
Acute Toxicity - Dermal, Category 4		H312 Harmful in contact with skin

Precautionary statements:

GENERAL	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
PREVENTATIVE	
P264	Wash thoroughly after handling
P270	Do not eat drink or smoke when using this product

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P280	Wear protective gloves/ protective clothing
RESPONSE	
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
DISPOSAL	
P501	Dispose of contents/container in accordance with local regulations

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients Names and Proportions

Chemical Entity	CAS Number	Proportion (%)
Oxalic Acid	144-62-7	100

SECTION 4 FIRST AID MEASURES

Description of necessary first aid measures

Inhalation:	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. Seek medical assistance if symptoms persist.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical assistance.
Ingestion:	If swallowed, do NOT induce vomiting. Rinse mouth with water; give plenty of water to drink. Seek immediate medical attention.

Symptoms caused by exposure

Inhalation:	Irritation of mucous membranes, coughing and dyspnoea.
Skin:	May cause irritation – redness and itching. Prolonged contact may cause corrosive injury.
Eye:	May be a severe eye irritant. May cause redness, swelling and/or blurred vision.
Ingestion:	May cause severe burns of mouth, throat and stomach. Symptoms may include vomiting abdominal pain, collapse and possible convulsions.

Medical attention and special treatment

Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing equipment

Combustible solid. Use dry chemical, carbon dioxide, water spray or foam.

Specific hazards arising from the chemical

May produce irritating, poisonous and/or corrosive gases, carbon monoxide, carbon dioxide and formic acid.

Special protective equipment and precautions for fire fighters

Wear self-contained breathing apparatus and full protective clothing.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Avoid generating dust. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Eliminate all sources of ignition.

Environmental precautions

Do not allow product to reach drains sewers or waterways.

Methods and materials for containment and cleaning up

Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable labelled container and hold for safe disposal. Dispose of in accordance with regional regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes, skin and clothing. Do not ingest and avoid breathing dust. Wash thoroughly after handling. Handle open containers in well-ventilated area. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

Conditions for safe storage, including any incompatibilities

Do not store near oxidising agents and alkalis.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -
Oxalic Acid: 1mg/m³ TWA (8hr), 2mg/m³ STEL.

Biological monitoring

No biological limit allocated.

Engineering controls

Ensure that adequate ventilation is provided. Avoid generating and inhaling dusts. Keep containers closed when not in use. A system of local and/or general exhaust is recommended to keep exposure as low as possible.

Individual protection measures

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes. No special protection is ordinarily required beyond standard issue work clothes.
Respiratory protection:	Wear appropriate respirator when ventilation is inadequate.
Thermal hazards:	Not applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline solid
Odour:	Data not available
Odour threshold (ppm):	Data not available
pH:	1.3 (0.1m aqueous solution)
Melting point/freezing point (°C):	101

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Initial boiling point and boiling range (°C):	149 - 160
Flash point (°C):	Data not available
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Combustible
Upper/lower flammability or explosive limits (%):	Data not available
Vapour pressure (mbar @ 20°C):	Data not available
Vapour density (air = 1, @ 20°C):	Data not available
Density (g/ml):	1.65
Solubility in water (g/l):	102
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	Data not available
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm ² /s @ 20°C):	Data not available

SECTION 10 STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of use.

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Stable under normal conditions of use.

Conditions to avoid

Avoid excessive heat, generating dust, direct sunlight, moisture, static discharges and high temperatures.

Incompatible materials

Incompatible with oxidizing agents, acids, bases, alkalis, iron, iron compounds, silver, ammonia and salts of oxyhalogenic acids.

Hazardous decomposition products

May evolve oxides of carbon and formic acid.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral LD50 (male rat): 475mg/kg Oral LD50 (female rat): 375mg/kg Dermal LD50 (rabbit): 2000mg/kg
Skin corrosion/irritation:	Harmful in contact with skin. Prolonged contact may cause corrosive injury.
Serious eye damage/irritation:	Severe irritant. Contamination of eyes can result in permanent injury.
Respiratory or skin sensitisation:	Not expected to be a sensitiser
Germ cell mutagenicity:	Not expected to be a mutagen
Carcinogenicity:	Not expected to be a carcinogen

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Reproductive toxicity:	Not expected to impair fertility
Specific Target Organ Toxicity (STOT) – single exposure:	Inhalation may cause irritation.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available.
Aspiration hazard:	Not considered an aspiration hazard

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Persistence and degradability

Biodegradable.

Bioaccumulative potential

Data not available.

Mobility in soil

Miscible with water.

Other adverse effects

Data not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN number:	Not applicable
Proper shipping name:	Not applicable
Australian Dangerous Goods class:	Not applicable
Australian Dangerous Goods packing group:	Not applicable
Hazchem code:	Not applicable

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SECTION 15 REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	6
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	Not applicable

SECTION 16 OTHER INFORMATION

Date of preparation:	1/12/2022
Revision number:	5
Changes in this revision:	Update to GHS SDS standard

This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Flatlap.com cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document.
