1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	**Oxalic acid**
Other Identifier:	Oxalic acid, dihydrate
Recommended Use:	Cleaning agent, water bore cleaner
Supplier: **ABN:**	Big Bubble 51 290 656 636
Street Address:	18 Elliott Street Midvale Western Australia
Telephone Number:	+61 08 9274 1992
Poisons Information Centre:	**131 126 Australia**

2. HAZARDS IDENTIFICATION

Road and Rail; Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Globally Harmonised System

Hazard Classification
Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories	Serious eye damage / irritation – Category 1 Skin corrosion / irritation – Category 1B Specific target organ toxicity (Repeated exposure) – Category 2 Specific target organ toxicity (Single exposure) – Category 3 Acute toxicity (Dermal) – Category 4 Acute toxicity (Oral) – Category 4

Pictogram

Name of pictogram	Corrosion, Exclamation mark

Signal Word	**Danger**
Hazard Statements	**H302** Harmful if swallowed. **H312** Harmful in contact with skin. **H314** Causes severe skin burns and eye damage. **H318** Causes serious eye damage. **H335** May cause respiratory irritation. **H373** May cause damage to organs through prolonged or repeated exposure.
Precautionary Statement	
Prevention	**P260** Do not breathe dust/fumes/gas/mist/vapours/spray. **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.
Response	**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **P302 + P352** IF ON SKIN: Wash with plenty of water. **P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). **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 CENTRE/doctor. **P312** Call a POISON CENTRE or doctor if you feel unwell. **P330** Rinse mouth. **P362 + P364** Take off contaminated clothing and wash it before reuse.
Disposal	**P501** Dispose of contents/container in accordance with local / regional / national / international regulations.
Poisons Schedule:	Schedule 6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Oxalic acid, dihydrate	6153-56-6	<=100 %

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion:	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do NOT induce vomiting. Call a Poison Centre or doctor/physician for advice. Never give anything by mouth to an unconscious person.
Eye Contact:	IF IN EYES: Immediately flush eyes continuously with running water for several minutes, holding eyelids open and occasionally lifting the upper

	and lower lids. Immediately call a Poison Centre or doctor/physician for advice. Remove contact lenses if present and easy to do. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.
Skin Contact:	IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with running water for at least 15 minutes. Call a Poison Centre or doctor/physician for advice. Wash contaminated clothing and shoes before reuse.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Medical attention and special treatment:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

General	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions	May burn but does not ignite readily.
Suitable Extinguishing Media:	Use dry chemical, Carbon dioxide (CO_2), foam or water spray for extinction. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. DO NOT USE direct water jets.
Fire and Explosion Hazards	Avoid generating dust; Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous combustion products:	Fire may produce irritating, toxic, and/or corrosive gases, including oxides of Carbon and Formic acid.
Precautions for fire fighters and special protective equipment:	Contain runoff from fire control or dilution water – Runoff may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Auto Ignition temperature:	<=400˚C
Decomposition Temperature:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin, and clothing.
Protective equipment:	Use personal protective equipment as required (see SECTION 8).
Emergency procedures:	Spill or leak should be isolated immediately. Keep unauthorised/unprotected personnel away.
Environmental Precautions:	Prevent entry into drains and waterways. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.
Methods and materials for Containment and clean up:	Stop leak if you can do it without risk. Prevent dust cloud. Prevent entry into waterways, sewers, basements, or confined areas. Collect up dry and deposit in waste containers for later disposal according to regulations (see SECTION 13). Wash away remainder with plenty of water.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:	Keep in the original container. Store in a cool, dry, and well-ventilated place, out of direct sunlight. Keep container tightly closed. Avoid exposure to air and moisture (hygroscopic). Keep away from heat and sources of ignition – No smoking. Keep away from feed/foodstuffs and incompatible materials (see SECTION 10).
Precautions for safe handling:	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin, and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Dry powders can build static electricity when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	For oxalic acid: - Safe Work Australia Exposure Standard: TWA = 1 mg/m^3, STEL = 2 mg/m^3 - Immediately dangerous to life or health (IDLH) concentration = 500 mg/m^3
Biological Monitoring	No information available.

Engineering Controls	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protective Equipment	
Eye and Face	Wear appropriate eye protection to prevent eye contact. Recommended: Do not wear contact lenses. Tight fitting goggles with side shields or wide vision full goggles.
Skin	Wear protective gloves. Recommended: Nitrile, neoprene, natural rubber, polyvinyl. Wear appropriate personal protective clothing to prevent skin contact. Recommended: Standard work clothes, long pants, long sleeves, coveralls, safety shoes.
Respiratory	In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	Uncoloured or white
Odour:	Odourless
pH:	~0.7 (50 g/L)
Solubility:	108 g/L in water at 25˚C
Auto Ignition temperature:	>=400˚C
Decomposition Temperature:	>=160˚C
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available
Boiling Point:	Sublimes at >160˚C
Melting/Freezing Point:	Sublimes at >160˚C
Odour Threshold:	No Data Available
Partition coefficient:	-1.7 (23˚C) [OECD Guidelines 107]
Relative Density:	No Data Available
Upper Flammibility Limit	No Data Available

Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	0.0312 Pa (at 25˚C)
Viscosity:	No Data Available
Biopersistence:	No Data Available
Crystallinity:	No Data Available
Dustiness:	No Data Available
Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use and storage.
Conditions to avoid:	Avoid generating dust. Avoid exposure to air and moisture. Keep away from heat and sources of ignition.
Incompatible materials:	Incompatible/reactive with alkalis, alkaline solutions, ammonia, acid chlorides, halogenates, oxidising agents, metals.
Hazardous decomposition products:	Fire/decomposition may produce irritating, toxic, and/or corrosive gases, including oxides of Carbon and Formic acid.
Hazardous reactions or Polymerisation:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion	Harmful if swallowed. Corrosive on ingestion. Signs of toxicity include nausea and vomiting, headaches, abdominal pain, diarrhoea, bloody stool,

	numbness and tingling of fingers and toes, muscular irratibility, tetany, convulsions, shock, cardiac irregularities and circulatory collapse (NICNAS).
Eye contact	Causes serious eye damage. Irreversible effects on the eye (Rabbit) [OECD TG 405].
Skin contact	Substance is corrosive and can cause skin damage/irritation.
Inhalation	May cause respiratory irritation.
Acute Toxicity	Oral: - LD50, Rat: <375 mg/kg bw [Supplier's SDS] Dermal: - LD50, Rabbit: >20,000 mg/kg bw [Supplier's SDS]
Carcinogenity	Not expected to be carcinogenic.
Mutagenicity	Not expected to be mutagenic.
Reproductive	Not expected to impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic toxicity: - LC50, Fish (Leuciscus idus): 160 mg/L (96 h) [Supplier's SDS] - EC50, Crustacea (Daphnia magna): 162.2 mg/L (48 h) [Supplier's SDS]
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations.
All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Or refilled at Big Bubble in Midvale.

14. TRANSPORT INFORMATION

Road and Rail Transport
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Poisons Schedule: Schedule 6

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

16. OTHER INFORMATION

Revision date: 15/01/2026
Reason for issue: Update SDS

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.