

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Citric Acid

Other Identifier: Citric acid, anhydrous

Recommended Use: Cleaning agent

Supplier: Big Bubble
ABN: 42 719 707 618

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

Skin corrosion / irritation – Category 2
Serious eye damage / irritation – Category 2
Specific target organ toxicity – Category 3

Pictogram



Name of pictogram

Exclamation mark

Signal Word

Warning

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Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
USH232 May form combustible dust concentrations in air.

Precautionary Statement

Prevention

P261 Avoid breathing dusts or mists.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice.
P337 + P313 If eye irritation persists: Get medical advice.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

Poisons Schedule:

Not scheduled.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Citric acid, anhydrous	77-92-9	≤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. Get medical advice/attention if you feel unwell.

Eye Contact:

IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Skin Contact:

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

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Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Medical attention and special treatment: Treat symptomatically. Symptoms may be delayed.

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. Dike fire-control water for later disposal.

Flammability Conditions May burn but does not ignite readily.

Suitable Extinguishing Media: Use dry chemical, Carbon dioxide (CO₂), foam or water spray for extinction. Do not scatter spilled material with high-pressure water streams.

Fire and Explosion Hazards Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and the presence of an ignition source is a potential dust explosion hazard.

Hazardous combustion products: Fire may produce irritation, corrosive and/or toxic gases, including Carbon oxides.

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: No Data Available

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 (If dust clouds can occur). Do not touch or walk through spilled material. Minimise dust generation and accumulation. Avoid breathing dusts or mists and contact with eyes, skin, and clothing.

Protective equipment: Use personal protective equipment as required (see SECTION 8).

Emergency procedures: Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

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**Environmental
Precautions:**

Prevent entry into drains and waterways.

**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. Carefully shovel or sweep up spilled material and place in a suitable container for disposal (see SECTION 13). After cleaning, flush away traces with 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. Protect from moisture. Keep away from heat and sources of ignition – No smoking. Keep away from incompatible materials (see SECTION 10). Store locked up.

**Precautions for safe
handling:**

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation – Use only outdoors or in a well-ventilated area. Handle in accordance with industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dusts or mists and contact with eyes, skin, and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). WARNING: May form combustible dust concentrations in air! Keep away from heat and sources of ignition – No smoking. Take precautionary measures against static discharges.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure control
measures:**

No specific exposure standards are available for citric acid, monohydrate. For dusts from solid substances without specific occupational exposure standards:

Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³ (measured as inhalable dust).

**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 avoid eye contact. Recommended: Chemical goggles.

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Skin	Wear protective gloves. Recommended: Impervious gloves. Wear appropriate personal protective clothing to avoid skin contact. Recommended: Impervious clothing, e.g. Overalls, safety shoes or boots.
Respiratory	Wear respiratory protection in case of inadequate ventilation or if an inhalation risk exists. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	White
Odour:	Odourless
pH:	1.5 – 2.5 (5% solution)
Solubility:	Soluble in water
Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available
Boiling Point:	Decomposes before boiling
Melting/Freezing Point:	153°C
Freezing Point	No Data Available
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	1.665
Upper Flammability Limit	No Data Available
Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	No Data Available
Viscosity:	No Data Available
Biopersistence:	No Data Available

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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.
Conditions to avoid:	Avoid generating dust. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Protect from moisture.
Incompatible materials:	Incompatible/reactive with strong oxidising agents, alkalis, steel, metals.
Hazardous decomposition products:	Fire/decomposition may produce irritating, corrosive and/or toxic gases, including Carbon oxides.
Hazardous reactions or Polymerisation:	Hazardous polymerisation does 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:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Eye contact:	Causes serious eye irritation.
Skin contact:	Causes skin irritation.
Inhalation:	May cause respiratory irritation. Inhalation of citric acid aerosols may induce coughing and bronchoconstriction.
Acute Toxicity:	LD50, Rats (Oral): 3,000 – 12,000 mg/kg bw [NICNAS] LD50, Rats (Dermal): >2,000 mg/kg bw [NICNAS]
Carcinogenicity:	Not expected to be carcinogenic.

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Mutagenicity: Not expected to be mutagenic.

Reproductive: Not expected to impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity: LC50, Fish (*Leuciscus idus*): 440 mg/L (48 h) [Citric acid, OECD 203; ECHA]
LC50, Crustacea (*Daphnia* 1,535 mg/L (24 h) [Citric acid, ECHA]

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Does not accumulate in organisms.

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: Not scheduled

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

If swallowed, do NOT induce vomiting.

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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: 06/07/2026

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.