

Official  
Safety Data Sheet  
(SDS)

This SDS version supersedes  
all previous MSDS for the  
specified product.



Product: AC295  
Issue Date: 2025 MAR  
Issued by: TECH  
Version: 1.80  
Page: 1 of 7

## HAZARDOUS CHEMICAL, NON-DANGEROUS GOODS

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** CITRIC ACID 50%w/w

**Synonyms**

CITRIC ACID 50%w/w - 1L  
CITRIC ACID 50% w/w - 20L  
CITRIC ACID 50% w/w - 200L  
CITRIC ACID 50% w/w - 1000L

**Product Code**

AC295-1  
AC295-20  
AC295-200  
AC295-1000

**Recommended use:** pH control, beverages, confectionary, effervescent salts, pharmaceutical syrups, foods and jams. Also used in various industrial processes.

**Product AS SOLD**

*Product AS SOLD is classified as hazardous according to GHS and/or Safe Work Australia because of risk to EYES/ SKIN. Contact with EYES /SKIN is not considered as being applicable to normal use of the product. Avoid direct sprays or contact with EYES /SKIN as it can cause SERIOUS EYE IRRITATION and SKIN IRRITATION. Avoid INHALE vapour as it can cause RESPIRATORY IRRITATION.*

**Supplier:** Able Westchem  
**ABN:** 009 353 182  
**Street Address:** 273 Collier Road  
Bayswater, WA 6053  
Australia  
**Telephone:** +61 8 9471 9111

**Emergency Telephone number:** +61 8 9471 9111 (8.00am-4.30pm: Mon-Fri, AWST)

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



**Signal Word**  
Warning

**Hazard Classifications**

Serious Eye Damage/Irritation - Category 2A  
Skin Corrosion/Irritation -Category 2  
Specific Target Organ Toxicity (Single Exposure) – Category 3

**Hazard Statements**

H315 Causes skin irritation.  
H319 Causes severe eye irritation.  
H335 May cause respiratory irritation.

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**Prevention Precautionary Statements**

- P102 Keep out of reach of children.  
P103 Read label before use.  
P234 Keep only in original container.  
P260 Do not breathe dust, fume, gas, mist, vapours or spray.  
P264 Wash hands, face and all exposed skin thoroughly after handling.  
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

**Response Precautionary Statements**

- P101 If medical advice is needed, have product container or label at hand.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Storage Precautionary Statements**

- P405 Store locked up.

**Disposal Precautionary Statement**

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

**Poison Schedule:** Not Applicable

**DANGEROUS GOOD CLASSIFICATION**

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**3. COMPOSITION INFORMATION**

CHEMICAL ENTITY	CAS NO	PROPORTION
Citric acid	77-92-9	50 % (w/w)

**4. FIRST AID MEASURES**

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Breathe fresh air. Remove contaminated clothing and loosen remaining clothing. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

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**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** Not applicable.

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

**Firefighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapour. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Slippery when spilt. Clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

**Dangerous Goods – Initial Emergency Response Guide No:** Not applicable

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and skin contact. Avoid inhalation of vapour from spray.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with a resistant inner liner. Always keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:** No value assigned for this specific material by Safe Work Australia.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**National occupational exposure limits:** Natural ventilation should be adequate under normal use conditions.

**Personal Protection Equipment:**

**SPECIAL NOTE:**

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Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

The selection of PPE is dependent on a full risk assessment. The risk assessment should consider the work situation, physical form of chemical, handling volume and methods, environmental factors/ application area.

If the outcome of risk assessment is considerably low, still manufacturer recommends to use minimum PPE stipulated by the chemical industry practices. Ex: Safety Glasses, Safety shoes, Impervious Gloves and suitable protective clothing such as long sleeve clothes with buttoned at neck and wrist.

PROTECTIVE CLOTHES, GLOVES, SAFETY SHOES, SAFETY GLASSES.



If spill risk exists, Wear suitable protective clothing covers unprotected exposed skin area with an Overall.

Available information suggests that gloves made from natural rubber, nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Base Units:</b>	Litres
<b>Form:</b>	Clear Liquid
<b>Colour:</b>	Clear, straw liquid.
<b>Odour:</b>	Odourless
<b>Solubility in water:</b>	Completely soluble
<b>Specific Gravity (20 °C):</b>	1.22 - 1.26
<b>Vapour Pressure (20 °C):</b>	Approx. 18 mm Hg at 25°C
<b>Flash Point (°C):</b>	Not applicable
<b>Boiling Point/Range (°C):</b>	100°C
<b>pH:</b>	2.0 - 3.0

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

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**Hazardous reactions:** No known hazardous reactions.

## 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:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin result in skin irritation.

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**Eye contact:** An eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients) : >20 mg/L

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients) : >2,000 mg/Kg

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients) : >2,000 mg/Kg

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as irritating to skin as a Category 2 (reversible effects to skin).

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in respiratory irritation.

### Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as hazardous.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

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**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K<sub>ow</sub> < 4.

**Eco toxicity:** No information available.

**Persistence and degradability:** No information available.

**Bio accumulative potential:** No information available.

**Mobility:** No information available.

### 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

#### MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

#### AIR TRANSPORT

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

### 15. REGULATORY INFORMATION

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material/constituent(s) is covered by the following requirements:**

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

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Reasons for issue: Periodic Update  
Issue date: 21/03/2025  
Version: 1.80  
Able Rating: Amber -Acidic

**DISCLAIMER:**

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. This product was classified according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) Revision Version 07.

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