

Infosafe No™ VARTT	Issue Date : October 2024	ISSUED by HUNTERST
Product Name <b>CITRIC ACID SOLUTION 50%</b>		

## Section 1 - Identification

<b>Product Identifier</b>	CITRIC ACID SOLUTION 50%
<b>Company Name</b>	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
<b>Address</b>	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
<b>Telephone/Fax Number</b>	Tel: 03 6331 4755 Fax: 03 6334 1065
<b>Emergency Phone Number</b>	0417 744 144
<b>Recommended use of the chemical and restrictions on use</b>	Acidifying agent for the food processing industry.

## Section 2 - Hazard(s) Identification

<b>GHS Classification of the Substance/Mixture</b>	Eye damage/irritation: Category 2A
<b>Signal Word</b>	WARNING
<b>Hazard Statement (s)</b>	H319 Causes serious eye irritation.
<b>Pictogram (s)</b>	Exclamation mark



<b>Precautionary Statement – Prevention</b>	P264 Wash contaminated skin thoroughly after handling. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement – Response</b>	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
<b>Precautionary Statement – Storage</b>	P404 Store in a closed container.
<b>Precautionary Statement – Disposal</b>	P501 Dispose of contents/container in accordance with local regulations
<b>Precautionary Statement – General</b>	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

## Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Water	7732-18-5	50-70 %
	Citric Acid	77-92-9	=50 %

## Section 4 - First Aid Measures

<b>Inhalation</b>	If discomfort is felt after inhalation, remove affected person to fresh air. If problem persists seek medical attention.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting. Give 2-3 glasses of water to drink to be taken slowly. Seek medical advice if necessary.
<b>Skin</b>	Remove heavily contaminated clothing. Wash affected area with copious quantities of water. If irritation develops or persists seek medical advice.
<b>Eye</b>	Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Seek medical attention if irritation persists.
<b>First Aid Facilities</b>	Eye wash station and normal washroom facilities.

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<b>Advice to Doctor</b>	Product is a citric acid solution. Treat symptomatically based on judgement of doctor and individual reactions of patient.
<b>Most important symptoms/effects, acute, delayed and aggravated medical conditions</b>	No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.
<b>Other Information</b>	LD50 citric acid: 11500 mg/kg oral, rat

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## Section 5 - Firefighting Measures

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<b>Suitable Extinguishing Media</b>	Use water, foam, carbon dioxide or dry chemical type extinguishers.
<b>Specific Methods</b>	Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.
<b>Specific Hazards Arising from the Chemical</b>	Non-flammable.
<b>Decomposition Temperature</b>	>170C

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## Section 6 - Accidental Release Measures

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<b>Spills &amp; Disposal</b>	Clean up personnel should wear approved clothing with protective goggles, PVC gloves. Small spills may be flushed away with copious amounts of water. Contained aqueous solutions should be neutralised with lime or sodium carbonate. Place waste in labelled drums and hold for disposal. Flush away spill area residues with copious amounts of water.
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## Section 7 - Handling and Storage

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<b>Conditions for safe storage, including any incompatibilities</b>	Store in cool place in sealed plastic containers. Store in a well ventilated area. Store away from oxidising agents and foodstuffs. Store away from sources of heat. Keep containers closed when not in use. Citric acid is an organic acid. Citric acid solutions are corrosive and will slowly corrode mild steel. Avoid dust formation. Take precautionary measures against static discharges. Avoid storage or transport with oxidising agents or bases.
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## Section 8 - Exposure Controls and Personal Protection

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<b>Occupational Exposure Limit (OEL) Values</b>	An exposure standard has not been established for this product.
<b>Engineering Controls</b>	Ensure workplace is well ventilated.
<b>Personal Protective Equipment</b>	Wear PVC gloves, overalls and eye protection when handling industrial quantities. If risk of splashes into eyes, wear safety glasses with side shields. When handling smaller quantities of product, wear safety glasses and PVC or household gloves. Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

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## Section 9 - Physical and Chemical Properties

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<b>Form</b>	Liquid
<b>Appearance</b>	Clear liquid with slight odour.
<b>Decomposition Temperature</b>	>170C
<b>Solubility in Water</b>	soluble
<b>Specific Gravity</b>	1.2
<b>pH</b>	2.0 - 2.5

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**Flash Point**                      None

**Flammability**                      Non flammable.

## Section 10 - Stability and Reactivity

**Chemical Stability**                      Stable under normal use conditons.

**Conditions to Avoid**                      Contact with incompatible materials.

**Incompatible Materials**                      Metal nitrates (potentially explosive reaction). Alkali carbonates and bicarbonates. Potassium tartrate. Will corrode copper, zinc, aluminum and their alloys.

**Hazardous Decomposition Products**                      If involved in a fire or heated to decomposition it emits carbon oxides, acrid smoke and irritating fumes.

## Section 11 - Toxicological Information

**Toxicology Information**                      No toxicity information is available for this product.

**Acute Toxicity - Oral**                      LD 50 (Rat): 6,730 mg/kg  
LD 50 (Mouse): 5,040 mg/kg

**Ingestion**                      Contact with incompatible materials.

**Inhalation**                      May cause irritation to the mucous membranes and upper respiratory tract

**Skin**                      Contact with skin may result in irritation.

**Eye**                      Causes serious eye irritation

**Chronic Effects**                      Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

## Section 12 - Ecological Information

**Ecological Information**                      The product components are not classified as environmentally hazardous.

**Mobility**                      The product is water soluble and may spread in water systems.

**Environmental Protection**                      Citric acid is fully biodegradable. Degradability: >98% after 2 days.

## Section 13 - Disposal Considerations

**Waste Disposal**                      Land fill, incineration, sewer (small quantities). Refer to Land Waste Management Authority in your State.

## Section 14 - Transport Information

**Transport Information**                      Not classified as a dangerous good for transport and storage.

## Section 15 - Regulatory Information

**Poisons Schedule**                      Not Scheduled

**Australia (AICS/AIC)**                      All components listed.

## Section 16 - Any Other Relevant Information

**Date of Preparation**                      26/10/2024

**Literature References**                      Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons  
Australian Code for the Transport of Dangerous Goods by Road & Rail  
Globally Harmonised System of classification and labelling of chemicals GHS7

**Signature of Preparer/Data Service**                      Technical Manager 0417 744 144

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**Technical Contact Point**

Emergency Advice All Hours:  
Technical Manager: 0417 744 144 Mon-Fri 8am - 6pm  
Poisons Information Centre: 13 11 26 - 24hrs  
Transport/Fire Emergency: 000 (Emergency services)

**Other Information**

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this MSDS carefully, and if in doubt ring the Contact Point Number given below.

...End Of MSDS...

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