



## COLIN CAMPBELL (CHEMICALS) PTY. LTD.

### SAFETY DATA SHEET

Date of Issue: 1 March 2019

#### 1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CAMPBELL PERASAN PERACETIC ACID BIOCIDES  
**Other Names:** UN 3098, hydrogen peroxide solution and peracetic acid mixture

**Chemical Group:**  
**CAS No.:** 7722-84-1 / 79-21-0 / 64-19-7  
**Recommended Use:** Controls bacterial growth in the process water for post-harvest processing of fruit and vegetables.

**Supplier Details:** Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590  
5 Blackfriar Place  
Wetherill Park NSW 2164

**Telephone:** (02) 9725 2544  
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**Website:** [www.campbellchemicals.com.au](http://www.campbellchemicals.com.au)  
**Contact:** Product Development Manager – (02) 9725 2544  
**Emergency Telephone Number:** (02) 9725 2544 – 8am to 6pm Monday to Friday.

#### 2) HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.**

**Hazard Classification:** HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

**GHS classification:** Oxidising liquid – category 1  
Acute toxicity – category 4  
Skin corrosion – category 1A  
Hazardous to the aquatic environment (acute) – category 1  
Flammable liquid – category 3

**Signal Words:** DANGER

**Hazard Statements :** H271 – May cause fire or explosion; strong oxidiser  
H332 – Harmful if inhaled  
H302 – Harmful if swallowed  
H314 – Causes severe skin burns and eye damage  
H400 – Very toxic to aquatic life  
H226 – Flammable liquid and vapour

**General Precautionary Statements :** 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.



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### SAFETY DATA SHEET

Date of Issue: 1 March 2019

#### Pictograms :



#### Precautionary statements

#### Prevention:

P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
P220 – Keep away from combustible materials  
P233 + P234 – Keep only in original container and tightly closed  
P280 - Wear protective gloves/eye protection/ face protection.  
P264 – Wash hands thoroughly after handling.  
P270 – Do not eat, drink or smoke when using this product.  
P261 – Avoid breathing fumes/mist/vapours/spray.  
P271 – Use only in well-ventilated areas.  
P242 – Use only non-sparking tools.  
P243 – Take precautionary measures against static discharge.

#### Precautionary statements

#### Response:

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P330 – Rinse mouth with plenty of water.  
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P312 – Call a POISON CENTER or doctor/physician if you feel unwell.  
P363 – Wash contaminated clothing before reuse.  
P304 + P340 – IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

#### Storage :

P411 + P225 – Keep stored in a cool place.  
P410 – Protect from sunlight  
P420 – Store away from other materials.  
P405 – Store locked up

#### Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

**Other information :** Poisons schedule (Australia) : 6

### 3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration	Risk phrases
Hydrogen peroxide	7722-84-1	10-30%	<b>H271, H332, H302, H314</b>
Peracetic acid	79-21 0	10-30%	<b>H400</b>
Acetic acid	64-19-7	30-60%	<b>H226</b>



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Date of Issue: 1 March 2019

#### 4) FIRST AID MEASURES

**If poisoning occurs, move out of dangerous area immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given.  
Show this Safety Data Sheet to the doctor.**

<b>If inhaled:</b>	Remove victim from exposure. Avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice.
<b>In case of skin contact:</b>	Remove contaminated clothing and wash skin thoroughly with plenty of water. Do NOT use any local applications. See a doctor if skin irritation occurs.
<b>In case of eye contact:</b>	Hold eyes open and flood with cold water for at least 15 minutes. Seek urgent medical attention.
<b>If swallowed:</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Repeat if vomiting occurs. If patient is unconscious do NOT give anything by mouth. Seek urgent medical attention.
<b>First Aid facilities</b>	Ensure eye wash and safety shower are available.
<b>Medical Attention:</b>	With eye contact exclude corneal ulceration; recheck up to one week for delayed ulceration. Refer to eye specialist. Pulmonary oedema may occur on inhalation. Ingestion may result in gastrointestinal bleeding or perforation. Following ingestion gastric distension may occur from rapid oxygen release. Insertion of a gastric tube may be advisable. Avoid gastric lavage. Emergency upper gastrointestinal endoscopy may be indicated. Ensure skin is thoroughly irrigated to remove all traces of hydrogen peroxide solution and thus avoid any possible reaction with locally applied medication. Such reactions will produce heat and lead to further tissue damage.

#### 5) FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Use water fog, water spray, CO <sub>2</sub> , foam or dry agent.
<b>Hazard from combustion products</b>	In a fire, formation of carbon monoxide and carbon dioxide can be expected.
<b>Precautions for fighting fires</b>	Hydrogen gas and oxygen bearing chemicals are fire stimulating. Containers may burst from excess heat, leading to a bigger and hotter fire. Contact with flammable materials may cause fire. Fire fighters wear full protective clothing with self-contained breathing apparatus and gloves. In close proximity wear acid resistant oversuit.
<b>Hazchem Code</b>	2W



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#### 6) ACCIDENTAL RELEASE MEASURES

Wear full protective clothing to prevent skin and eye contact. Wear self contained breathing apparatus. Increase ventilation. Minor spills must be cleaned up quickly. For large spills, contain using sand or soil. Absorb using soil, vermiculite or some other inert material. Collect and seal in properly labelled containers for disposal. Refer to State Land and Waste Authority for disposal.

#### 7) HANDLING AND STORAGE

**Handling** Use only in well ventilated areas. Keep away from heat, organic materials, and other incompatible materials.

**Storage** Store in cool, well ventilated place out of direct sunlight. Transport and store upright with vent on top. Store away from other classifications of dangerous goods. Keep in a banded area. **NEVER MIX WITH ACCELERATORS OR PROMOTERS. DO NOT RETURN UNUSED MATERIAL TO ORIGINAL CONTAINER. USE ONLY APPROVED SUITABLE MATERIALS FOR INTERMEDIATE CONTAINERS.**

#### 8) EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Standards**

Chemical	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
Hydrogen peroxide	1	1.4	-	-
Acetic acid	10	25	15	37
Peracetic acid	-	-	-	-

Exposure standard – Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.

**Biological Limit Values** None allocated

**Engineering Controls** Time Weighted Average will not normally be exceeded when used as directed. Provide adequate ventilation when using or handling this product.

**Personal Protective Equipment** Eyes: The use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

Clothing: The use of plastic apron, sleeves, overalls, and rubber boots are recommended. Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.



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### SAFETY DATA SHEET

Date of Issue: 1 March 2019

- Gloves:** Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves – Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
- Respiratory:** If engineering controls are not effective in controlling airborne exposure then a supplied air respirator must be used. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference can be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

#### 9) PHYSICAL AND CHEMICALS PROPERTIES

<b>Appearance:</b>	Colourless clear liquid
<b>Odour:</b>	Pungent
<b>Vapour pressure:</b>	Not available
<b>Relative vapour density:</b>	Not available
<b>Evaporation rate:</b>	Not determined.
<b>Boiling point:</b>	> 100°C
<b>Freezing/Melting point:</b>	Not known
<b>pH (1% solution):</b>	3.0
<b>Solubility:</b>	Soluble in all proportions
<b>Corrosiveness:</b>	Corrosive to human tissue.
<b>Specific gravity:</b>	1.12 (20°C)
<b>Flash point:</b>	Not available
<b>Flammability (explosive) limit:</b>	Not available
<b>Auto ignition temperature:</b>	No data available.
<b>Partition coefficient (octanol/water):</b>	No data available.
<b>Viscosity:</b>	No data available
<b>Oxidising properties:</b>	No data available.

#### 10) STABILITY AND REACTIVITY

<b>Chemical stability:</b>	<b>Stability:</b> Oxidising agent. Decomposes very slowly at ambient temperatures to give off oxygen. Mildly corrosive to most metals and paints. Will react with peroxides, metal salts and reducing agents.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible materials :</b>	Incompatible with acidic compounds, reducing agents, transition metals and their compounds, accelerators and combustible materials.



## COLIN CAMPBELL (CHEMICALS) PTY. LTD.

### SAFETY DATA SHEET

Date of Issue: 1 March 2019

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<b>Hazardous decomposition products:</b>	In a fire, formation of carbon monoxide and carbon dioxide can be expected.
<b>Hazardous reactions:</b>	Decomposes very slowly at ambient temperatures to give off oxygen.

#### 11) TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Irritates the mucous membranes. Coughing, sore throat, nosebleeds, and chronic bronchitis are other results of inhalation of this product.
<b>Skin contact:</b>	Causes severe burns to the skin on prolonged contact, and transient whitening of the affected area.
<b>Eye contact:</b>	Extremely irritating and lachrymatory. Prolonged contamination of eyes can result in destruction of corneal tissue.
<b>Ingestion:</b>	Causes burns to mouth, throat and gastrointestinal tract. May cause gastric distension due to evolution of oxygen.
<b><u>Chronic toxicity:</u></b>	
<b>Germ cell mutagenicity:</b>	No known significant effects or critical hazards
<b>Carcinogenicity:</b>	No known significant effects or critical hazards
<b>Reproductive toxicity:</b>	No known significant effects or critical hazards
<b>Target organ effects:</b>	Repeated or prolonged eye contact may cause loss of vision with symptoms including strong pain, tearing, and redness
<b>Aspiration hazard:</b>	Chronic bronchitis may occur.
<b>Potential health effects:</b>	Repeated or prolonged eye contact may cause loss of vision with symptoms including strong pain, tearing, and redness. Vapours may cause severe irritation or possible burns to the eyes with possible irreversible eye damage.
<b><u>Acute toxicity:</u></b>	
<b>Oral toxicity (product):</b>	No data available.
<b>Dermal toxicity (product):</b>	No data available.
<b>Inhalation toxicity:</b>	LC <sub>50</sub> rat (4 hr) 2 mg/L
<b>Sensitisation:</b>	No data available.



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Date of Issue: 1 March 2019

#### 12) ECOLOGICAL INFORMATION

Very toxic to aquatic life

DO NOT contaminate streams, rivers or waterway with this product or the used containers.

<b>Ecotoxicity:</b>	Not known
<b>Environmental fate, persistence and degradability, mobility</b>	Aqueous solutions of this product are biodegradable. A dilute, neutralized aqueous solution is not expected to harm aquatic life. Product degrades to acetic acid, water, oxygen, and hydrogen.

<b>Identified harmful effects on environment:</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms.
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<b>Other precautions:</b>	Do not contaminate dams, waterways or sewers with this product.
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#### 13) DISPOSAL CONSIDERATIONS

This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used containers. Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

#### 14) TRANSPORT INFORMATION

##### International regulation



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#### IMDG-Code

Classified as Dangerous Goods according to the International Maritime Dangerous Goods Code (IMDG Code).

**UN number:** 3098  
**Proper shipping name:** Not applicable.) Oxidising liquid, Corrosive, N.O.S. (Hydrogen peroxide solution, Peracetic acid)  
**Class:** 5.1  
**Packing group:** II  
**Labels:** 8.  
**EmS Code:** Not applicable.  
**Marine pollutant:** Marine pollutant.

#### ADG

**UN number:** 3098  
**Proper shipping name:** Oxidising liquid, Corrosive, N.O.S. (Hydrogen peroxide solution, Peracetic acid)  
**Class:** 5.1  
**Subsidiary risk:** 8  
**Packing group:** II  
**Hazchem code:** 2W

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code). This product must not be loaded or packed with other classifications of dangerous goods.



#### 15) REGULATORY INFORMATION

APVMA registration number : 87664/118904

#### 16) OTHER INFORMATION

Date of revision : 2 April 2019  
Reason for revision : New SDS.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

END OF SDS