



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 December 2016

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL STANZA WP FUNGICIDE
Other Names: None
Chemical Group: Imidazole
CAS No.:
Recommended Use: Fungicide for use on mangoes and mushrooms.
Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164
Telephone: (02) 9725 2544
Fax: (02) 9604 7768
Email: cccsyd@campbellchemicals.com.au
Website: www.campbellchemicals.com.au
Contact: Product Development Manager – (02) 9725 2544
Emergency Telephone Number: 13 11 26 (Poisons Information Centre)

2) HAZARDS IDENTIFICATION

GHS classification: Acute toxicity oral : Category 3
Skin corrosion / irritation : Category 2
Serious eye damage / eye irritation : Category 2B
Acute toxicity inhalation : Category 1
Hazardous to aquatic environment – short term/acute : Category 1

GHS Signal Words: WARNING

Hazard Statements : H302 Harmful if swallowed
H400 Very toxic to aquatic life.

General Precautionary Statements : P102 Keep out of reach of children
P103 Read label before use.

Pictograms :





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Precautionary statements
Prevention: P262 : Do not get in eyes, on skin, or on clothing..
P270 : Do not eat, drink or smoke when using this product.
P280 : Wear protective gloves/eye protection/face protection.

Precautionary statements
Response: P362 Take off contaminated clothing and wash before reuse.
P301+P330+P331 + P312 : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISONS CENTRE or doctor if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 : If exposed or concerned: Get medical advice.
P333+P313 If skin irritation or rash occurs : Get medical advice.
P337+P313 If eye irritation persists: Get medical attention.

Storage : P405 : Store locked up.
P410 : Protect from sunlight.
P402 + P404 : Store in a dry place. Store in a closed container.
P403+P235 : Store in a well-ventilated place. Keep cool.

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

Other information : No other information.
Hazardous substance according to SWA criteria.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Prochloraz present as manganese chloride complex	67747-09-5	462k/kg
Other non-hazardous ingredients	secret	To 100%

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.

If inhaled: Remove sources of contamination or move victim to fresh air and keep at rest. If breathing discomfort persists, contact a Poisons Information Centre or a doctor.

In case of skin contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watch bands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.



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In case of eye contact:	Check and carefully remove any contact lenses if easy to do so, if easy to do so. Protect unharmed eye. Rinse eyes immediately with clean water for at least 15 minutes. Keep eye wide open while rinsing. If irritation occurs and persists, contact a Poisons Information Centre or a doctor.
If swallowed:	DO NOT induce vomiting. Clean mouth with water. Give a glass of water to drink. Obtain medical attention.
First Aid facilities	Ensure eye wash and safety shower are available.
Medical Attention:	Symptoms may be delayed. The first aid procedure should be established in consultation with a doctor responsible for industrial medicine.

5) FIRE FIGHTING MEASURES

Extinguishing media	Not readily combustible. Use extinguishing media suited to burning materials.
Hazard from combustion products	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both) fire gases. Will emit noxious and toxic fumes which may contain carbon monoxide, nitrogen oxide and hydrogen chloride.
Precautions for fighting fires	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire residues and contaminated fire extinguishing water in accordance with local regulations. Do not release contaminated water into the environment.
Hazchem Code	Not established

6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Ensure adequate ventilation. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.



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7) HANDLING AND STORAGE

- Handling** Keep out of reach of children. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.
- Storage** Store in the closed original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	TWA (mg/m ³)	STEL (mg/m ³)
	10	Not set

Exposure limits have not been established by SWA for any of the significant ingredients in this product. The above TWA is for dusts as determined by Safe Work Australia.

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.

Short Term Exposure Limit (STEL) means the exposure level that may be equalled (but should not be exceeded for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL

Biological Limit Values None allocated

Engineering Controls Control process conditions to avoid contact. Use in a well ventilated area only. If natural ventilation is inadequate, use of a fan is recommended.

Personal Protective Equipment

Eyes:	Safety goggles. Eye wash bottle with pure water.
Clothing:	Impervious overalls buttoned to the neck and wrists and a washable hat.
Gloves:	Polyvinyl alcohol or nitrile-butyl-rubber gloves. Before removing gloves clean them with soap and water.
Respiratory:	If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance, Odour and Colour:	Off-white, gritty powder
Specific Gravity:	No data
Melting Point:	No data
Solubility (water):	Suspension



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Flash Point:	No data
Boiling Point:	Not applicable
Vapour Pressure:	No data
Vapour Density:	No data
Percent Volatiles:	No data
Flammability Limits:	UFL: Not determined
	LFL: Not determined
Autoignition Temperature:	Not applicable – does not burn.
Partition co-efficient, n-octanol/water	No data

10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use and storage.
Conditions to avoid:	Avoid extreme heat, light and sunlight.
Incompatible materials :	No known incompatibilities.
Hazardous decomposition products:	Hazardous and toxic gases may be given off when exposed to extreme heat or fire. Combustion forms carbon monoxide, carbon dioxide, and possibly smoke. Water is also formed. May form oxides of nitrogen. Carbon monoxide poisoning produced headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement, and unconsciousness followed by coma and death.
Hazardous reactions:	Stable under recommended storage conditions. No decomposition or hazardous polymerisation reactions if used as directed. In some circumstances the dust may form an explosive mixture with air.

10) TOXICOLOGICAL INFORMATION

No carcinogenic effect was observed in rats. A comprehensive range of studies of genotoxicity gave consistently negative results, except for a weakly positive response in a test for sister chromatid exchange in Chinese hamster ovary cells in vitro in both the presence and absence of an exogenous metabolic activation system. In a two-generation study of reproductive toxicity in rats, reproductive performance was affected only at a concentration harmful to the mother.

Inhalation :	Unlikely to cause inhalation toxicity. May irritate mucous membranes of the nose and mouth.
Skin contact:	May be slightly irritating to the skin. Not a sensitiser.
Eye contact:	Will irritate the eyes. Symptoms may include stinging and reddening of the eyes and watering which may become copious.
Ingestion:	This product is poisonous if swallowed.



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Chronic toxicity:

Mutagenicity:	Not mutagenic.
Teratogenicity:	Not teratogenic.
Reproductive effects:	No reproductive effects expected because the dose required is harmful to the mother.
Carcinogenicity:	No significant ingredient is classified as carcinogenic by SWA, NTP or IARC
Organ toxicity:	Chronic exposure may cause damage to the central nervous system and liver.
<u>Acute toxicity:</u>	
Oral toxicity (product):	LD ₅₀ rat >2,700 mg/kg
Dermal toxicity (product):	LD ₅₀ rat >2,000 mg/kg
Sensitisation:	Not a skin sensitizer.

11) ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. It has a moderate hazard to birds, low toxicity to earthworms and bees. DO NOT contaminate streams, rivers or waterway with this product or the used containers.

Ecotoxicity:

Prochloraz:

Birds

Moderate hazard to birds.

Oral LD₅₀(bob white quail) 662 mg/kg

Oral LD₅₀(Mallard duck) 1954 mg/kg

Fish toxicity: Very toxic to fish.

LC₅₀ (96 hr) (rainbow trout) 1.5 mg/L

EC₅₀ (96 hr) (bluegill sunfish) 2.2 mg/L

Algae:

EC₅₀ (48 hr) (Seleastrum capricornutum) 0.094 mg/L

Daphnia : Very toxic to Daphnia and aquatic organisms.

EC₅₀ (48 hr) (Daphnia magna) 4.3 mg/L

Environmental fate, persistence and degradability, mobility

Prochloraz is readily adsorbed on to organic matter and is degraded by biological activity and by sunlight. Prochloraz is immobile in soil, not readily degradable and not readily leached. DT₅₀ under field conditions is 5-37 days.

Identified harmful effects on environment:

This product is a marine pollutant for sea transport. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic organisms.

Other precautions:

Do not contaminate dams, waterways or sewers with this product.



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12) 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.

13) TRANSPORT INFORMATION

Not subject to the ADG Code when transported by road or rail in Australi, in packages 500kg(L) or less; or IBCs, but classed as Dangerous by IATA and IMDG/IMSBC when carried by air or sea transport (see details below).

UN Number : 3082
Correct shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(contains prochloraz)
Hazchem Code : •3Z
Hazard Identification
Number (HIN): 90
Dangerous Goods Class : Class 9 : Miscellaneous Dangerous Goods
Packing Group : III

14) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 69707

15) OTHER INFORMATION

Date of revision : 1 December 2016
Reason for revision : Upgrading to GHS format.

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