



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 1 December 2016

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL PROPLANT FUNGICIDE
Other Names: Propamocarb
Chemical Group: Not specified
CAS No.: 25606-41-1
Recommended Use: Fungicide for use on recreational turf and ornamental seedlings.
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: ccsyd@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: Not a hazardous substance or mixture.
GHS Signal Words: No signal word required
Hazard Statements : No hazard statements required.

General Precautionary Statements : No precautionary statements required.
Pictograms : No pictograms required.

Precautionary statements Prevention: No precautionary statements required.
Precautionary statements Response: No precautionary statements required.
Storage : No special storage statements required.

Disposal: P501 Dispose of contents/container to an approved waste disposal plant.
Other information : Non-dangerous and non-hazardous goods as defined by WHS.



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3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Propamocarb	25606-41-1	60-100%
Other ingredients including wetting agents and water	Non hazardous	30-60%

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 Material Safety Data Sheet to the doctor.**

If inhaled: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a doctor.

In case of skin contact: Carefully remove contaminated clothing and shoes immediately. Wash affected areas with mild soap and plenty of water. If skin redness or rash occurs, get medical attention. Wash contaminated clothing before reuse. If symptoms persist, call a doctor.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, call a doctor.

If swallowed: Rinse mouth and afterwards drink plenty of water. DO NOT give milk or alcoholic beverages. DO NOT induce vomiting. Call a doctor.

First Aid facilities Ensure eye wash and safety shower are available.

Medical Attention: No information on symptoms. The first aid procedure should be established in consultation with a doctor responsible for industrial medicine.

5) FIRE FIGHTING MEASURES

Extinguishing media Water fog or mist, carbon dioxide, foam or dry chemical. Cool closed containers exposed to fire with water spray.

Hazard from combustion products In a fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides can be expected.

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



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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.

7) HANDLING AND STORAGE

Handling Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. When using do not eat, drink or smoke. Keep out of reach of children. 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 out of sunlight.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards No TWA has been established.
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 Control process conditions to avoid contact. Use in a well ventilated area only. Facilities storing or utilising this material should be equipped with an eyewash facility and safety shower.

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.



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9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	Colourless liquid
Odour:	Fruity
pH:	4-6
Vapour pressure:	Not available.
Vapour density:	Not available
Boiling point:	100°C
Freezing/Melting point:	Not available
Solubility:	Completely soluble in water.
Specific gravity:	1.078 – 1.088 at 20°C
Viscosity:	Not determined
Flash point:	None
Flammability (explosive) limit:	Not applicable
Auto ignition temperature:	Not available
Partition coefficient (octanol/water):	Pow : 1.36

10) STABILITY AND REACTIVITY

Chemical stability:	Stable against heat, acid, alkali, and sunlight under normal conditions of use and storage.
Conditions to avoid:	No data available
Incompatible materials :	None known.
Hazardous decomposition products:	In a fire, formation of carbon monoxide, carbon dioxide and nitrogen oxides can be expected.
Hazardous reactions:	Stable under recommended storage conditions. No decomposition if used as directed.

10) TOXICOLOGICAL INFORMATION

Inhalation:	Low acute toxicity
Skin contact:	According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Eye contact:	According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
Ingestion:	Low acute toxicity.



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Chronic toxicity:	
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Toxic to reproduction:	No data available.
Specific target organ toxicity (repeated exposure):	No data available.
Acute toxicity:	
Oral toxicity:	LD ₅₀ rat >2,000 mg/kg
Dermal toxicity :	LD ₅₀ rat >2,000mg/kg
Inhalation toxicity:	LC ₅₀ (4h) rat >5 mg/L air (test atmosphere : dust/mist)
Sensitisation:	Not classified as a skin sensitizer (guinea pig)
Respiratory sensitisation	Not classified as an aspiration hazard.
Specific target organ toxicity (single exposure):	No data available.

11) ECOLOGICAL INFORMATION

Very toxic to aquatic organisms with long lasting effects.
DO NOT contaminate streams, rivers or waterway with this product or the used containers.

Ecotoxicity: Propamocarb:
Fish toxicity: LC-50 (96 h)(rainbow trout >99 mg/L.
NOEC (Lepomis macrochirus (Bluegill sunfish) >6.3 mg/L(exposure time 768 hours)
Daphnia toxicity: EC-50 (48 h) >100 mg/L
Birds (bobwhite quail) LD50 >2,250ppm
Algae Er₅₀ (Pseudokirchneriella subcapitata (algae) >85 mg/L (exposure time 72h)
Er₅₀ (Lemna gibba (gibbous duckweed) >18 mg/L (exposure time 336h)

Environmental fate, persistence and degradability, mobility Readily biodegradable.
Bioconcentration Factor (BCF) 3.2-4.7 (fish).
No data on mobility in soil.
Partition coefficient: n-octanol/water) 1.36

Identified harmful effects on environment: There is no other data available for this product.

Other precautions: Do not contaminate dams, waterways or sewers with this product or used containers.



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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. Do not reuse empty containers.

13) TRANSPORT INFORMATION

International regulation

UNRTDG	Not regulated as a dangerous good.
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :	Not applicable for product as supplied.

National Regulations

ADG Code

Not considered as a dangerous good for transport by road or rail in Australia under the Australian Dangerous Goods Code.

14) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 51322

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 MSDS