



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 1 January 2008

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL PROPLANT FUNGICIDE
Other Names: None
Chemical Group:
Recommended Use: Fungicide for use on agricultural crops and turf.
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: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE - NON DANGEROUS GOOD

Hazardous classification: Not hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)
Risk phrases: No significant phrases.
Safety phrases: See sections 4,5,6,7,8,10,12,13
ADG Classification Not a Dangerous good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: 5 (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Propamocarb (as monohydrochloride)	025606-41-1	60.5%
Other ingredients including wetting agents and water	Non hazardous	30-60%

4) FIRST AID MEASURES

If poisoning occurs, 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.

Inhalation: If inhaled remove to fresh air and keep at rest. If not breathing, give artificial respiration.
Skin Contact: Carefully remove contaminated clothing. Wash affected areas with soap and water.



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4) FIRST AID MEASURES continued

Eye contact:	Check and remove any contact lenses. Rinse eyes immediately with clean water for at least 15 minutes and seek medical aid.
Ingestion:	Wash mouth out with water. Do NOT induce vomiting. Keep patient at rest and seek medical advice. Loosen tight clothing.
First Aid facilities	Ensure eye wash and safety shower are available.
Medical Attention:	No symptoms of systemic poisoning in humans have been recorded with this product. For local contamination, treatment should be symptomatic after decontamination. For systemic poisoning initial treatment should be symptomatic and supportive. There is no specific antidote.

5) FIRE FIGHTING MEASURES

Extinguishing media	Product is not combustible. Water spray, foam, dry chemical, carbon dioxide (CO ₂)
Hazard from combustion products	In a fire, formation of toxic compounds of carbon and nitrogen 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 extinguishing agent and spillage safely later. Do not release contaminated water into the environment.
Hazchem Code	Not applicable.

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. 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	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. Store above -10°C.
Flammability	Not flammable, not combustible.



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	No exposure standards have been assigned. 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 Skin notation – absorption through the skin may be a significant source of exposure.
Biological Limit Values	None allocated
Engineering Controls	Control process conditions to avoid contact. Use in a well ventilated area only.
Personal Protective Equipment	Eyes: Safety goggles or face shield if exposure is possible Clothing: Protective clothing not absolutely necessary.. Gloves: PVC gloves Respiratory: Not normally required. If inhalation of spray mist is likely an AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	Colourless liquid
Odour:	Fruity
Vapour pressure:	Not available
Vapour density:	Not available
Boiling point:	100°C
Freezing/Melting point:	Not available
pH:	4-6
Solubility:	Soluble in water
Specific gravity:	1.083 at 20°C
Flash point:	Not available
Flammability (explosive) limit:	Not available
Auto ignition temperature:	Not available
Partition coefficient (octanol/water):	-1.36

10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	None under normal conditions
Incompatible materials :	None under normal conditions.



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10) STABILITY AND REACTIVITY continued

Hazardous decomposition products: In a fire, formation of carbon and nitrogen compounds can be expected.

Hazardous reactions: None under normal conditions.

11) TOXICOLOGICAL INFORMATION

Inhalation: Low toxicity by inhalation.
Skin contact: No effect is expected.
Eye contact: May irritate the eyes.
Ingestion: Product toxicity is low, but may be harmful if swallowed in large amounts.

ANIMAL TOXICITY DATA – PRODUCT

Acute:
Oral toxicity: LD₅₀ rat >2000mg/kg
Dermal toxicity: LD₅₀ rat >2000mg/kg
Inhalation toxicity: LC₅₀ rat (4 hour): >5mg/L
Skin irritation: Not irritating - rabbit
Sensitisation: Not sensitising - guinea pig

Chronic:

Propamocarb hydrochloride is not mutagenic, carcinogenic or teratogenic, and did not cause adverse effects on reproduction in animal studies. At doses up to 3000mg/kg propamocarb hydrochloride per day in rats, no cholinesterase inhibition was observed.

12) ECOLOGICAL INFORMATION

Low toxicity to birds, fish, bees and earthworms.
DO NOT contaminate streams, rivers or waterway with Proplant or the used containers.

Ecotoxicity: **Propamocarb hydrochloride:**
Fish toxicity: LC₅₀ (96 h) bluegill sunfish (*Lepomis macrochirus*) >92mg/L
LC₅₀ (96 h) in trout (*Onchorhynchus mykiss*) >99mg/L
Daphnia toxicity: EC₅₀ (48 h) water flea (*Daphnia magna*) >100mg/L
Algal Toxicity:
IC₅₀ (72 h) 176mg/L



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12) ECOLOGICAL INFORMATION continued

**Ecotoxicity
(continued):**

Propamocarb hydrochloride:

Bird toxicity:

Acute oral LD₅₀ pheasant 3050mg/kg

Acute oral LD₅₀ mallard duck >6289mg/kg

**Environmental fate,
persistence and
degradability,
mobility**

Not available.

13) DISPOSAL CONSIDERATIONS

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

UN Number: Not applicable
Proper Shipping name: Not applicable
Class and subsidiary risk: Not applicable
Packing Group: Not applicable
EPG: Not applicable
Hazchem code: Not applicable

15) REGULATORY INFORMATION

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

16) OTHER INFORMATION

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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

END OF MSDS