



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 GOLDAZIM 500SC FUNGICIDE
Other Names: None
Chemical Group: Benzimidazole
Recommended Use: Fungicide for use on agricultural crops.
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 - DANGEROUS GOOD

Hazardous classification: Hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)

Risk phrases: R40 – Possible risks of irreversible effects.
R46 – May cause heritable genetic damage.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R60 – May impair fertility.
R61 – May cause harm to the unborn child.

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: 6 (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Carbendazim	10605-21-7	50%
Other ingredients including wetting agents and water	Non hazardous	30-60%



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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.

Skin Contact: Carefully remove contaminated clothing. Wash affected areas with soap and water.

Eye contact: 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.

First Aid facilities Ensure washing facilities are available.

Medical Attention: *Local contamination* - Slight skin and eye irritation.

Systemic poisoning - None documented over many years' experience.

Treatment should be symptomatic after decontamination. In case of skin or eye contamination treat as for first aid measures above.

There is no specific antidote. Treat symptoms. An aqueous suspension of activated charcoal may be administered to absorb remaining toxicant. Monitor blood count. Anticonvulsant therapy is not appropriate. carbendazim is very rapidly absorbed and eliminated from the body. Carbendazim is NOT a cholinesterase inhibitor.

5) FIRE FIGHTING MEASURES

Extinguishing media Water spray, foam, dry chemical, carbon dioxide (CO₂).

Hazard from combustion products In a fire formation of hydrogen chloride, hydrogen cyanide, carbon monoxide 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. Otherwise spray unopened containers with water to keep cool. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later.

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. Neutralising chemicals are not required.



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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. Store below 40°C. Store above -10°C.
Flammability	Not Flammable

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	No exposure standard has been assigned by the NOHSC for the product or its ingredients.	
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.
	Clothing:	Cotton overalls buttoned to the neck and wrist and a washable hat.
	Gloves:	Elbow length PVC gloves
	Respiratory:	If inhalation is likely and AS/NZS 1715/1716 approved respirator should be worn.

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	White to light beige liquid suspension
Odour:	Slight characteristic
pH:	7.6
Vapour pressure:	Not available.
Vapour density:	Not available
Boiling point:	Not available
Freezing/Melting point:	Not available
Solubility:	Miscible with water
Specific gravity:	1.17 at 20°C
Viscosity:	600cPs
Flash point:	None
Flammability	Not applicable
(explosive) limit:	
Auto ignition temperature:	Not available
Partition coefficient (octanol/water):	Not available



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10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use
Conditions to avoid:	Excessive heat
Incompatible materials :	Oxidising agents.
Hazardous decomposition products:	In a fire, formation of carbon dioxide, carbon monoxide and nitrogen oxides can be expected.
Hazardous reactions:	Reacts with strong bases and strong acids.

11) TOXICOLOGICAL INFORMATION

Inhalation:	Harmful if inhaled
Skin contact:	Will irritate the skin
Eye contact:	Will irritate the eyes
Ingestion:	Harmful if swallowed

ANIMAL TOXICITY DATA - PRODUCT

<u>Acute:</u>	
Oral toxicity	LD ₅₀ rat >5,000mg/kg
Dermal toxicity:	LD ₅₀ rabbit >2,000mg/kg
Inhalation toxicity:	No data
Skin irritation:	Slightly irritating (rabbit)
Irritation of mucous membranes:	Slightly irritating (rabbit)
Eye irritation:	Slightly irritating (rabbit)
Sensitisation:	Not a skin sensitiser (guinea pig)

12) ECOLOGICAL INFORMATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. DO NOT contaminate streams, rivers or waterway with the chemical or the used containers.

Ecotoxicity:	<u>Carbendazim:</u>
	Fish toxicity: LC ₅₀ (96 h) bluegill sunfish (<i>Lepomis macrochirus</i>) >17.25mg/L
	LC ₅₀ (96 h) in trout (<i>Onchorhynchus mykiss</i>) 0.83mg/L
	Daphnia toxicity: EC ₅₀ (48 h) water flea (<i>Daphnia magna</i>) 0.157mg/L



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Algal Toxicity:
EC₅₀ (72 h) algae 642.6mg/L

Bird toxicity:
Acute oral LD₅₀ quail 5826-15595mg/kg

Environmental fate, persistence and degradability, mobility No special comments

12) 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.

13) TRANSPORT INFORMATION

UN Number: 3082
Proper Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Carbendazim)
Class and subsidiary risk: 9
Packing Group: III
EPG:
Hazchem code: 2X
Marine Pollutants: Yes

14) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth).

Australian Pesticides and Veterinary Medicines Authority approval number: 53587

15) 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