1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	Sabakem Carbendazim 500 SC Fungicide
Other means of identification	
Recommended use of the chemical and restrictions on use:	Agricultural fungicide for use as described on the product label.
Supplier:	Sabakem Pty Ltd
Street address:	Suite 809, Level 8, 2 Queen St Melbourne VIC 3000 Australia
Telephone no.:	03 9629 3979
Website:	www.sabakem.com
Emergency telephone:	Poisons Information Centre 13 11 26 (24 hours)

2. HAZARDS IDENTIFICATION

Classification of the substance mixture:

This material is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:
Germ Cell Mutagenicity – Category 1B
Reproductive toxicity – Category 1B
Skin sensitisation – category 1

The following environment hazard categories fall outside the scope of the Workplace Health and Safety Regulations:
Aquatic acute toxicity – Category 1
Aquatic chronic toxicity – Category 1

SIGNAL WORD: DANGER

Hazard Statement(s):
H317: May cause an allergic skin reaction.
H340: May cause genetic defects
H360: May damage fertility or the unborn child
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):
Prevention:
P201 Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing fumes, mists, vapours or spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing, eye protection/face protection.

Response:
P302 + P352: IF ON SKIN: Wash with plenty of water
P308 + P313: If exposed or concerned: Get medical advice/attention.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.

Storage:
P405: Store locked up.

Disposal:
P501: Dispose of contents/container as per container label, in accordance with local/state/territory government regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion (w/v)
Carbendazim	10605-21-7	500 g/L
Other components are not considered hazardous in this formulation and therefore are not required to be disclosed according to the WHS Regulations.		

4. FIRST AID MEASURES

Speed in treatment is essential. If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation:	IF INHALED, bring affected person to fresh air. If symptoms develop, contact a Poisons Information Centre or a doctor at once.
Skin contact:	IF ON SKIN, Remove contaminated clothing and wash with plenty of water and soap. If symptoms develop, seek medical attention.
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical advice.
Ingestion:	IF SWALLOWED, rinse mouth and contact a Poisons Information Centre, or call a doctor if you feel unwell. Do not induce vomiting unless told to do so by the Poisons Information Centre or doctor.
First aid facilities:	Eyewash and normal washroom facilities.
Medical attention and special treatment:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Hazchem code:	•3Z (bulk only)

Specific hazards arising from the chemical:	Considered low risk due to water content, however upon evaporation of water, the product is combustible. May omit toxic fumes if involved in fire or exposed to extreme heat.
Special protective equipment and precautions for fire-fighters:	In case of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and chemical-protective clothing. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately. Do not allow contaminated water to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/ Environmental precautions:	In the event of a spill, prevent spillage from entering drains or water courses with absorbent material and call emergency services.
Personal precautions/ Protective equipment:	Wear protective clothing. It is good practice to wear impermeable gloves when handling chemical products.
Methods and materials for containment and cleaning up:	Contain - prevent run off into drains and waterways. For minor spills, clean up, rinsing to sewer and put empty container in garbage.

7. HANDLING AND STORAGE

Precautions for safe handling:	Keep out of reach of children. Do not eat, drink or smoke while using the product. Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Refer to Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under 'Storage' should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Conditions for safe storage, including any incompatibilities:	Store in the tightly sealed, original container in a dry, well-ventilated area, as cool as possible. Keep away from food, drink, and animal feed stuff.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	No value assigned for this specific product or ingredients by Safe Work Australia (SWA)
Engineering controls:	Use in well-ventilated areas. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):
No special equipment is usually needed when occasionally handling small quantities. See container label safety directions. The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.
Observe good standards of hygiene and cleanliness. Always wash hands, arms and face thoroughly with soap and water before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment with detergent and warm water before storage or re-use.

Respiratory protection:	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapour/mist filter should be used. Consult AS/NZS 1715 and AS/NZS 1716 for further information.
Eye and face protection:	Avoid contact with eyes. Safety glasses/goggles with side shield protection should be worn as a general precaution. Consult AS/NZS 1336 and AS/NZS 1337 for further information.

Skin protection:	Full protective clothing, and elbow-length rubber or chemical resistant gloves should be worn when opening the container and using the product. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161, AS/NZS 45-1 and AS/NZS2210 for further information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	White flowable
Odour:	Practically odourless
pH:	6.0 – 9.0
Specific gravity:	1.17 g/mL
Melting point/Freezing point:	No available data
Boiling point/range:	>100°C
Flash point:	Not applicable (Non-flammable)
Evaporation point:	No available data
Vapour pressure:	No available data
Vapour density:	No available data
Solubility:	Disperses in water
Partition coefficient: n- octanol/water	No available data
Auto-ignition temperature:	No available data
Decomposition temperature:	No available data
Viscosity:	No available data

10. STABILITY AND REACTIVITY

Reactivity:	No known reactivity hazards associated with this product, under normal conditions of use.
Chemical stability:	Relatively stable in neutral, weakly acidic and weakly alkaline media. Stable under normal storage conditions in original container for at least two years.
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	No information available
Incompatible materials:	Very strong acid/alkaline formulations
Hazardous decomposition products:	None

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Carbendazim: Rat oral LD50 (mg/kg bw) > 2000. Rat dermal LD50 (mg/kg bw) > 2000. Rat inhalation LC50 (mg/m^3) > 4280. Not considered harmful and does not cause toxicity via oral, dermal and inhalation route, according to available information.
Skin irritation:	Not considered a skin irritant according to available information.
Eye irritation:	Not considered an eye irritant according to available information.
Respiratory or skin sensitisation:	Not considered a respiratory sensitiser. Considered a potential skin sensitiser.
Germ cell mutagenicity:	May cause genetic defects according to available data.
Carcinogenicity:	Not considered to be carcinogenic according to available data.
Reproductive toxicity:	May damage fertility or the unborn child according to available data.

STOT-single exposure:	Not expected to cause toxicity to a specific target organ according to available data.
STOT-repeated exposure:	Not expected to cause toxicity to a specific target organ according to available data.
Aspiration hazard:	Not expected to be an aspiration hazard according to available data.
Chronic health effects:	Not expected to cause chronic health effects according to available data.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Available information on this product indicates that this product is classified as an acute and chronic aquatic toxicant.

Toxicity data is available on the active constituents, Carbendazim:
LC50 (96h), fish = 0.83 mg/L
LC50 (48h), daphnia = 0.13 mg/L

Persistence/ Degradability:	No information available on the product.
Bioaccumulative potential:	No information available on the product.
Mobility in soil:	No information available on the product.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations. Break, crush or puncture and dispose of empty containers in a local authority landfill. Triple rinse and bury rinsate and empty capsules in a local authority landfill. If no landfill is available, bury the containers below 0.5m in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product must not be burnt. Do NOT re-use containers for any other purpose.

14. TRANSPORT INFORMATION

Road and rail transport: Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in;
(a) packagings that do not incorporate a receptacle exceeding 500 kg(L);
(b) or IBCs.

Marine transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; MARINE POLLUTANT

UN Number:	3082
Proper Shipping Name or Technical Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CARBENDAZIM)
Transport Hazard Class:	9
Packaging Group:	III
IMDG EMS Fire:	F – A
IMDG EMS Spill:	S - F
Environmental hazards:	Yes
Additional Information:	The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.

Air transport: IATA provision SP A197: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code when transported air in; packages that have inner packages (plastic bottles, glass bottles, plastic bags) of 5 L for UN3082 and 5 kg for UN3077 or less.

15. REGULATORY INFORMATION

Poison schedule (SUSMP):	Schedule 7
APVMA approval no.:	94664
AICIS:	All the constituents of this material are either listed on the Australian Inventory of Industrial Chemicals (AIIC), not required due the nature of the chemical as they are excluded as an industrial chemical or have been assessed under the Industrial Chemicals Act 1989 as amended.

16. OTHER INFORMATION

General information:	None
Issue number:	001
Issue date:	26 June 2024

In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.

Reason(s) for issue:	First issue
Key abbreviations or acronyms used:	ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) ADI – Acceptable Daily Intake AICIS – Australian Industrial Chemicals Introduction Scheme (formerly NICNAS) AIIC - Australian Inventory of Industrial Chemicals APVMA – Agricultural Pesticides and Veterinary Medicines Australia GHS - Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017 IARC - International Agency for Research on Cancer Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (July 2023) NOEL - No-observable-effect-level SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons SWA - Safe Work Australia, formerly ASCC and NOHSC TGA – Therapeutic Goods Australia TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week. WHS – Workplace Health and Safety

End of SDS