

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	Sabakem Alpha-Cypermethrin 100EC Insecticide
Other means of identification	Emulsifiable concentrate containing Alpha-Cypermethrin
Recommended use of the chemical and restrictions on use:	Agricultural insecticide 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:

Acute Oral Toxicity – Category 4
Specific Target Organ Toxicity (Repeated Exposure) – Category 2
Aspiration – 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):

H302: Harmful if swallowed.
H373: May cause damage to organs through prolonged or repeated exposure.
H304: May be fatal if swallowed and enters airways.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention:

P260: Do not breathe fumes, mists, vapours, or spray
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.

Response:

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330: Rinse mouth
P331: Do NOT induce vomiting.
P314: Get medical advice if you feel unwell.
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/w)
Alpha-cypermethrin	67375-30-8	10%
Hydrocarbons (naptha)	64742-94-5	74%
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 13 11 26; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation:	If inhaled, immediately call a Poison Center. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily.
Skin contact:	Remove contaminated clothing and wash with plenty of water and soap. Facial skin contact may cause temporary facial numbness. If symptoms develop, seek medical attention.
Eye contact:	Cautiously flush eyes with water until the product is removed or until a few minutes after irritation has ceased. If symptoms develop, seek medical attention.
Ingestion:	If swallowed, wash mouth with water and immediately contact a Poisons Information Centre, or call a doctor. Do not induce vomiting unless told to do so by the Poisons Information Centre or doctor.
First aid facilities:	Eyewash and normal washroom facilities.
Symptoms caused by exposure:	Harmful if swallowed.
Medical attention and special treatment:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used. Try to contain spills, minimise spillage entering drains or water courses
Specific hazards arising from the chemical:	This product is classified as a C1 combustible product. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. If a significant quantity of this product

Special protective equipment and precautions for fire-fighters:

is involved in a fire, call the fire brigade. Firefighters should take care and appropriate precautions. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures. Full fire kit and breathing apparatus are recommended. In case of fire and/or explosion do not breathe fumes. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with spilled product or contaminated surfaces. Wear full protective clothing including eye/face protection. All skin areas should be covered. It is good practice to wear impermeable gloves when handling chemical products. Provide adequate ventilation. If ventilation is not adequate in the clean-up area, we recommend that you use a respirator. Refer to protective equipment as described in Section 8 of this safety data sheet.

Environmental precautions:

In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services. Avoid release to the environment.

Methods and materials for containment and cleaning up:

Stop leak if safe to do so and contain spill. Because of the environmentally hazardous nature of this product, special care should be taken to restrict release to waterways or drains. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. 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:

This product is a Schedule 6 Poison according to the SUSMP. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store locked up. Store packages of this product in a cool place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from sources of ignition - No smoking. Keep in a cool, dry and well-ventilated place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in

Section 10. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	No value assigned for this specific product by Safe Work Australia (SWA).
Biological monitoring:	No biological limit allocated for the product or any of its ingredients. No biological monitoring is required.
Control Banding:	No information available.
Engineering controls:	Use in well-ventilated areas. If natural ventilation is inadequate, use local exhaust ventilation.
Individual protection measures, such as Personal Protective Equipment (PPE):	
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 ventilation is inadequate, wear suitable respiratory protection. Consult AS/NZS 1715 and AS/NZS 1716 for further information.
Eye and face protection:	Avoid contact with eyes. It is recommended to wear safety glasses or a face shield when using this product. Consult AS/NZS 1336 and AS/NZS 1337 for further information.
Skin protection:	Avoid contact with skin. Elbow-length rubber or chemical resistant gloves must 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 for further information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Clear liquid
Colour:	Clear
Odour:	Characteristic hydrocarbon odour
pH:	Not determined
Bulk Density:	Not determined
Melting point/Freezing point:	Not determined
Boiling point/range:	Not determined
Flash point:	Not determined
Evaporation point:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Solubility:	Emulsifiable in water
Partition coefficient: n- octanol/water	for Alpha-cypermethrin - 6.94 (log P octanol/water)
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined

10. STABILITY AND REACTIVITY

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.
Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions:	The product is stable under recommended storage and handling conditions. This product will not undergo polymerisation reactions.

Conditions to avoid:	This product should be kept in a cool place, preferably below 30°C.
Incompatible materials:	Keep away from strong oxidising agents.
Hazardous decomposition products:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Harmful if swallowed Toxicity data available for the active constituent, Alpha-cypermethrin: Acute oral toxicity: LD50 = 79 mg/kg (rat) Acute dermal toxicity: LD50 = 500 mg/kg (rat) Facial skin contact may cause temporary facial numbness.
Skin corrosion/irritation:	
Serious Eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitisation:	Not expected to be a skin sensitiser or respiratory sensitiser according to classification principles, the classification criteria for respiratory sensitisation are not met.
Germ cell mutagenicity:	Not suspected to cause genetic defects according to classification principles, the classification criteria are not met.
Carcinogenicity:	Not considered to be carcinogenic according to classification principles, the classification criteria are not met.
Reproductive toxicity:	Not considered to be toxic to reproduction according to classification principles, the classification criteria are not met.
STOT-single exposure:	Not expected to cause toxicity to a specific target organ through single exposure according to classification principles, the classification criteria are not met.
STOT-repeated exposure:	Expected to cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Expected to be an aspiration hazard.
Chronic health effects:	Not expected to cause chronic health effects.
Information on possible routes of exposure:	Oral, Dermal, Inhalation routes of entry are anticipated.
Interactive effects:	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Available information on this product indicates that this product is classified as a chronic aquatic toxicant. This product is toxic to bees and slightly toxic to birds. Toxicity data is available on the active constituent, Alpha-cypermethrin: LC50 (96h, Rainbow trout) = 0.0028mg/L LD50 (bee) = 0.059µg/bee LD50 (mallard) >10,000mg/kg
Persistence/Degradability:	Alpha-cypermethrin is moderately persistent in soil (DT50 in field is 42 days). It is moderately persistent in water (DT50 in pH 7 water is 70 days) but will hydrolyse, particularly in alkaline conditions or with sunlight.
Bioaccumulative potential:	Alpha-cypermethrin is not expected to bioaccumulate in organisms.
Mobility in soil:	Alpha-cypermethrin is has low mobility in soil ($K_{oc} = 288735 \text{ mL g}^{-1}$).

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations and the product label. Single rinse bags and triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

14. TRANSPORT INFORMATION

Road and rail transport: Australian Special Provisions AU01: 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 ALPHA-CYPERMETHRIN)
 Transport Hazard Class: 9
 Packaging Group: III
 IMDG EMS Fire: F – A
 IMDG EMS Spill: S - F
 Environmental hazards: Yes. Marine Pollutant substance(s): ALPHA-CYPERMETHRIN
 Additional Information: The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.

Air transport: Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
 UN Number: 3082
 Proper Shipping Name or Technical Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ALPHA-CYPERMETHRIN)
 Transport Hazard Class: 9
 Packaging Group: III
 Environmental hazards: Yes
 Additional Information: IATA Special Provision A197: when transported in sizes of ≤ 5 L or ≤ 5 kg per packaging (inner or single) are not subject to the code.

15. REGULATORY INFORMATION

Poison schedule (SUSMP): 6
APVMA approval no.: 67436
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 date:	23 July 2026
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:	Five-year update and updated to latest GHS requirements
Key abbreviations or acronyms used:	ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) AgVet Code Act 1994 – Agricultural and Veterinary Chemicals Code Act 1994 APVMA – Agricultural Pesticides and Veterinary Medicines Australia GHS - Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017 LC50 – Lethal Concentration 50 LD50 – Lethal Dose 50 STOT – Specific Target Organ Toxicity SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons SWA - Safe Work Australia, formerly ASCC and NOHSC WHS – Workplace Health and Safety

Key literary references: [Alpha-Cypermethrin | PubChem](#)
[APVMA Label SABAEM ALPHA-CYPERMETHRIN 100EC INSECTICIDE](#)

The physical values and properties described in this SDS are typical values based on scientific literature and material produced to date, and are believed to be reliable. The manufacturer, Sabakem Pte Ltd provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purposes prior to use of this product. Due care should be taken to ensure that the use of this product and its disposal is in compliance with all relevant Federal, State and Local Government regulations.

End of SDS