



Aerochem Enterprise Pte Ltd
50 Tuas Avenue 11, #02-08 Tuas Lot Singapore 639107
Contact Detail: +65 9800 2297
Business Registration No. 202000274K

SAFETY DATA SHEET

AERO CYPER 15% WP

1. IDENTIFICATION

Product Identifier / Trade Name : AERO CYPER 15% WP
Other Means of Identification : Cypermethrin 15.00 % w/w Wettable Powder
Recommended Use : Formulated product for public health insect pest control.
Formulated product for animal health insect pest control.
Local Supplier & Address : Aerochem Enterprise Pte Ltd
50 Tuas Avenue 11, #02-08 Tuas Lot Singapore 639107
Telephone Number / Telefax Number : +65 9800 2297
For Support, Please Contact : Enquiries
+65 9800 2297
aerochem2102@gmail.com

2. HAZARDS IDENTIFICATION

This substance / product is classified in accordance with guidelines laid out in Globally Harmonized System of Classification and Labelling of Chemicals (GHS - Seventh Revised Edition, United Nations, 2017). This substance / product is non hazardous to humans and mammals in normal use. This substance / product may be hazardous to the environment. Special attention should be given to bees, fish and other non-target organisms.

Classification : Acute oral toxicity (Category 5)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

GHS Label Elements :



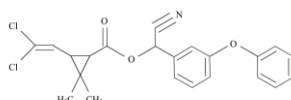
Signal Word : Warning
Hazard Statement(s) : H303 - Maybe harmful if swallowed.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statement(s) : P273 - Avoid release to the environment.
Prevention
Precautionary Statement(s) : P312 - Call a POISON CENTER/doctor if you feel unwell.
Response : P391 - Collect spillage.
Precautionary Statement(s) : Not Applicable.
Storage
Precautionary Statement(s) : P501 - Dispose of contents/container in accordance with all applicable local regulations
Disposal



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3. COMPOSITION

Chemical Identification	:	Cypermethrin
Chemical Name (IUPAC)	:	(RS)- α -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
Chemical Formula	:	C ₂₂ H ₁₉ Cl ₂ NO ₃
Molecular Mass	:	416.3
Chemical Structure	:	



CAS Number	:	52315-07-8
Purity	:	15.00% w/w minimum
Impurities	:	Up to 100.00 % w/w
(Determined as Non-hazardous)		

4. FIRST AID MEASURES

This substance / product is non hazardous to humans in normal use. In case of accident or if feeling unwell, seek medical advice immediately. Show label and / or safety data sheet to the doctor in charge.

If Inhaled	:	Remove subject to open air. If the subject stops breathing, administer artificial respiration. Seek medical advice immediately if necessary.
If Contact with Skin	:	Remove contaminated clothing and wash affected areas with plenty of water and soap. If irritation persists, seek medical advice immediately.
If Contact with Eyes	:	Remove contact lenses if possible. Flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical advice immediately.
If Ingested	:	Seek medical attention immediately. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.
Guide to Physicians	:	Symptomatic treatment should be administered.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	:	Carbon dioxide, foam, powder and water fog.
Unsuitable Extinguishing Media	:	Jets of water.
Special Exposure Hazards in a Fire	:	Combustion may emit hazardous oxides of carbon and other toxic fumes.
Special Instruction for Fire-fighting	:	Fight fire from maximum distance or protected area. Cool fire-exposed containers with water fog and move materials to a safe place if possible. Minimize environmental contamination through polluted run-off where possible. When fighting the fire, wear self-contained respiratory apparatus and complete



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protective equipment (normal fire-fighting clothing i.e. fire kit, gloves and boots in combination with self-contained breathing apparatus) at all times.
Extinguish from upwind direction.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Stop the source of spill only if safe to do so.
Wear complete protective equipment as needed to avoid contact with the substance / product and contaminated surfaces.
- Environmental Precautions** : Keep people and animals away.
Avoid entry to drains, sewers and watercourses using a barricade.
Contain the spill to prevent further contamination of the soil, surface water or ground water.
- Methods for Cleaning Up** : Collect the leaked substance into a suitable container.
Soak up with sand or other and inert absorbent material.
Wash the polluted area with water with suitable detergents collect all waste and polluted run-off thoroughly into marked containers for treatment.

7. HANDLING AND STORAGE

- Safe Handling Conditions** : Use substance / product in a well-ventilated area.
When handling substance / product, do not eat, drink or smoke.
Wash hands and exposed skin before meals and after work.
Wear personal protective equipment and avoid contact with eyes, skin and clothing.
- Storage Conditions** : Keep the substance / product in clearly labelled containers, in a dry and well-ventilated place at cool temperature.
- Special Storage Conditions** : Avoid dust formation.
Keep away from children and unauthorized personnel, food, animal feed, excessive heat and direct sunlight.
- Incompatible Substances** : None established.
- Recommended Packaging Material** : None established.
- Packaging Material to be Avoided** : None established.
- Supplier Packaging** : 1 kg bag.
- Shelf Life** : At least 2 years if properly packed and stored.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- Control Parameters**
- Limit Values for Workplace Air** : STEL - None established.
STEL / TWA / IDLH TWA - None established.
IDLH - None established.
- Appropriate Engineering Controls** : If user operations generate dust, fume or mist, then use process enclosures, local exhaust ventilation and / or other engineering controls to keep airborne levels low.



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Individual Protection Measures

Respiratory Protection	: Wear mask as required by local regulators.
Hand Protection	: Wear chemical resistant gloves as required by local regulators.
Eye Protection	: Wear protective eyewear as required by local regulators.
Skin Protection	: Wear full protective overalls and boots as required by local regulators.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Solid powder.
Colour	: White to light yellow.
Odour	: None established.
pH	: None established.
Melting Point	: None established.
Boiling Point	: None established.
Evaporation Rate	: None established.
Vapour Pressure	: None established.
Vapour Density	: None established.
Flash Point	: None established.
Flammability	: None established.
Auto-Ignition Temperature	: None established.
Explosive Limit	: Lower Limit - None established. Upper Limit - None established.
Decomposition Temperature	: None established.
Relative Density	: None established.
Viscosity	: None established.
Solubility in Water	: Miscible in water.
Solubility in Other Solvents	: Miscible in organic solvents.
Partition Coefficient n-octanol / water	: Log Pow - None established.

10. STABILITY AND REACTIVITY

Reactivity	: None established.
Chemical Stability	: This substance / product is stable under normal atmospheric when properly stored.
Possibility of Hazardous Reactions	: None established.
Conditions to Avoid	: Avoid ignition sources and direct sunlight.
Incompatible Materials	: This substance / product degrades when in contact with strong acids, alkalis and oxidizing agents.
Hazardous Decomposition Products	: Thermal decomposition may lead to hazardous oxides of carbon and other toxic fumes.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity - LD50 Oral (Rat)	: Based on WHO calculation guidelines 3,333.33 mg / kg
Acute Toxicity - LD50 Dermal (Rat)	: Based on WHO calculation guidelines > 5,000 mg / kg
Inhalation LC50 (Rat)	: None established.
Eye (Rabbit)	: None established.
Skin Irritation (Rabbit)	: None established.
Skin Sensitization (Guinea Pig)	: None established.

12. ECOLOGICAL INFORMATION

Ecotoxicity	: None established.
Persistence & Degradability	: None established.
Bio-Accumulative Potential	: None established.
Mobility	: None established.

13. DISPOSAL CONSIDERATIONS

Product Disposal	: This substance / product must be disposed as hazardous waste in accordance with local, state or national regulations. All waste must be processed at an approved waste disposal facility. Advice may be obtained from the local waste regulatory authorities. Do not empty into drains or waterways.
Container Disposal	: Reuse when possible; otherwise puncture container to avoid re-use. Containers must be processed according to approved disposal methods based on local codes of practice and law.

14. TRANSPORT INFORMATION

Road & Rail Transport (ADR)	
UN Number	: 3077
Class	: 9
Proper Shipping Name	: Environmentally Hazardous Substances, Solid, N.O.S. (Cypermethrin 15.00% w/w WP)
Packing Group	: III





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Sea & Air Transport (IMDG & IATA)

UN Number : 3077
Class : 9
Proper Shipping Name : Environmentally Hazardous Substances, Solid, N.O.S. (Cypermethrin 15.00% w/w WP)
Packing Group : III



15. REGULATORY INFORMATION

This substance / product is not regulated in the country of sale. Workplace label classification criteria and hazard information are assessed from this document. Regulators may request additional data requirements on this substance / product. Where reasonable, Aerochem will provide directly to regulators for the purpose of regulatory compliance.

16. OTHER INFORMATION

Updated: 01 June 2025

This article is compiled as accurately as possible to the best of Aerochem's knowledge at the time documentation. Each user should read this document and consider the information in the context of how the material will be handled and used in the workplace including in conjunction with other products. If clarification is needed to ensure an appropriate risk assessment, the user should contact Aerochem.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. No warranty is expressed or implied. As such, Aerochem cannot be held liable for any injury or economic loss. Users are further reminded of the possible risks of using this substance / product for any other purposes than those for which it was intended.

**Aerochem Enterprise Pte Ltd and its distributors are hereby represented as "Aerochem"*