



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO., LTD

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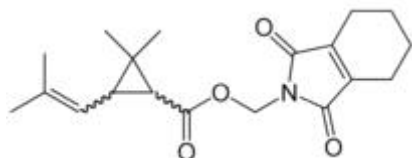
1. Chemical Product Identification

Product Name: Tetramethrin 95% TC

Molecular Formula: C₁₉H₂₅NO₄

Molecular Weight: 331.406 g/mol

Structural Formula:



Chemical Name: cyclohex-1-ene-1,2-dicarboximidomethyl (1RS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Form: Powder

Color: White

CAS No.: 7696-12-0

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Tetramethrin	7696-12-0	95.0
Other ingredients		5.0

3. Hazards Identification

Danger



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Contents under pressure, do not expose to fire or extreme heat.

Remove pets, birds, and cover fish aquariums before spraying. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For Control of Bees, Hornets, Wasps, and Yellowjackets: It is preferable to apply this product in the evening after all the insects have returned to the nest. Aim valve opening at the nest and depress button, continuing to spray until the nest is soaked with the spray. Repeat as necessary.

4. First Aid Measures

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip water if able to swallow. Do not induce vomiting unless instructed to do so by doctor or poison control center.

If On Skin Or Clothing: Remove contaminated clothing. Rinse skin for 20 minutes with water. Call a doctor or poison control center for treatment advice and have label with you when calling.

If In Eyes: Hold eye open and rinse gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes then continue to rinse eyes. Call a doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration by mouth to mouth.

5. Fire-Fighting Measures

Fire Fighting Procedures: Self contained air supply suggested. Keep containers cool to avoid bursting.

Unusual Fire and Explosion Hazards: Exposure to temperatures above 130 deg.F may cause bursting.

Extinguishing Media: CO₂, dry chemical, or foam.

6. Accidental Release Measures

If container is ruptured or begins to leak, place in a well-ventilated area free of spark and ignition sources. Any remaining liquid should be collected with absorbent media. Dispose of unusable concentrate and absorbent media in accordance with Local, State and Federal regulations.



7. Handling And Storage

Do not use in commercial food processing, preparation, food storage or serving areas. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Exposed food should be covered or removed. This product is toxic to fish, birds, and other wildlife. Do not apply directly to water.

8. Exposure Controls / Personal Protection

Protective Gloves: Not required - avoid contact with skin.

Eye Protection: Not required - avoid contact with eyes.

Respiratory Protection: Recommended in confined space.

Local: As required to keep airborne concentrations below acceptable limits.

Mechanical: Not required.

Other protective equipment: Safety glasses recommended to avoid possible contact with eyes.

Protective Work/Hygiene Practices: Follow label instructions.

9. Physical And Chemical Properties

Appearance: White powder

Melting Point: 65°C

Density: 1.108 g/mL at 20°C

pH: 5.0-8.0

Water content: ≤0.5%

Vapour pressure: 2.1 mPa at 25°C

10. Stability And Reactivity

Chemical Stability: Stable.

Incompatibility: Strong acidic or alkaline materials.

Hazardous Decomposition Products: Small amounts of hydrogen cyanide may be formed by thermal decomposition or by contact with alkaline substances such as soda ash & lye.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute oral LD₅₀ for rats is >5000 a.i.mg/kg.



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Acute dermal LD₅₀ for rabbits is >2000 a.i.mg/kg.

Acute inhalatio LC₅₀ (4 h) for rat: >2.73 a.i.mg/L.

Skin irritation: Non-irritating to skin (rabbits).

Eye irritation: Non-irritating to eyes (rabbits).

Skin sensitization: Non-sensitizing (guinea pigs).

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, acute oral LD₅₀ for Bobwhite quail is >2250 a.i.mg/kg.

Effect on fish: high toxicity to fish, acute 96 hour LC₅₀ for Rainbow trout is 0.016 a.i.mg/L.

Effect on aquatic invertebrates: high toxicity to aquatic invertebrates, acute 48 hour EC₅₀ for Daphnia magna is 0.045 a.i.mg/L.

Effect on honeybees: high toxicity to honeybees, unknown mode acute 48 hour LD₅₀ is >0.16a.i.µg/bee.

13. Disposal Considerations

Do not reuse empty container. This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (Do not puncture!) Any remaining or collected liquid from punctured cans should be disposed of in a safe manner at an approved facility in accordance with Local, State, and Federal regulations. "Empty" cans may contain residue. Avoid exposure to heat, flame, sparks, and other sources of ignition.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to



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ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.