



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO., LTD

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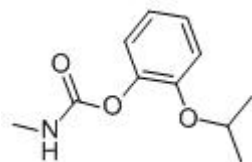
1. Chemical Product Identification

Product Name: Propoxur 97% TC

Molecular Formula: C₁₁H₁₅NO₃

Molecular Weight: 209.24 g/mol

Structural Formula:



Chemical Name: 2-isopropoxyphenyl methylcarbamate

Form: solid

Color: white

Odor: isopropanol odor

CAS No.: 114-26-1

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Propoxur	114-26-1	97.0
Other ingredients		3.0

3. Hazards Identification

Warning! Flammable!



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

Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry area from heat or open flame. It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read label. Do not spray on plastic, painted or varnished surfaces or directly into electronic equipment such as radios, computers, etc.

4. First Aid Measures

Eye: Flush eyes with plenty of water. Call a physician if irritation persists.

Skin: Remove contaminated clothing and immediately wash skin with soap and water.

Swallowed: Call a physician immediately. Do not induce vomiting.

Inhaled: Remove victim to fresh air and apply respiration if necessary.

Note to Physician: If symptoms of Cholinesterase Inhibition are present, Atropine sulfate is antidotal.

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 sparks and ignition sources. Pesticide that cannot be used according to label instructions must be disposed of according to all applicable Local, procedures.

7. Handling And Storage

Read label. This insecticide is for use only with injection tube and for injecting into crack and crevices where insects may be hiding, living and breeding. Place injector tip 1/2 inch into cracks, crevices, holes and other small openings where insects may be a problem.

Release approximately 1 second spray per spot. In serious infestations, if possible place spots approximately 12 inches apart. In light infestations or preventative treatment, place spots approximately 3 feet apart.



8. Exposure Controls / Personal Protection

Protective Gloves: Not required - avoid contact with skin.

Eye Protection: Not required - avoid contact with eyes.

Respiratory Protection: Not required - avoid breathing mist.

Local: As required to keep airborne concentrations below the acceptable levels.

Ventilation:

Mechanical: Provide adequate ventilation of area being treated.

Other protective equipment: Safety glasses with glass lense recommended.

9. Physical And Chemical Properties

Appearance: White solid

Melting point: 84-87°C

Density: 1.18 g/mL at 20°C

Acidity (as H₂SO₄): ≤0.05%

Moisture: ≤0.3%

Vapor pressure: 1.3 mPa at 25°C

10. Stability And Reactivity

Conditions to Avoid: Open flames and very hot surfaces can cause thermal decomposition.

Incompatible Materials: Strong alkalines, acids, and oxidizers.

Hazardous Decomposition By-products: Carbon dioxide, carbon monoxide, methyl isocyanate, and methyl amine.

Hazardous Polymerization Conditions: None known.

11. Toxicological Information

Acute oral LD₅₀ for rat: >50 a.i.mg/kg.

Acute dermal LD₅₀ for rat: >5000 a.i.mg/kg.

Inhalation LC₅₀ (4 h) for rat: >0.5 a.i.mg/L.

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

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

Skin sensitization: Not a skin sensitiser (guinea pigs).



12. Ecological And Ecotoxicological Information

Effect on birds: Acute oral LD₅₀ for Bobwhite quail is 25.9 a.i.mg/kg.

Effect on fish: Acute LC₅₀ (96 h) for Bluegill sunfish is 6.2 a.i.mg/l.

Effects on aquatic invertebrates: Acute EC₅₀ (48 h) for Daphnia magna is 0.15 a.i.mg/l.

Effects on bees: acute (48 h) LD₅₀ is >1.35 a.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!)

If recycling is not available, wrap the container and discard in the trash. Any remaining or collected liquid from punctured cans should be disposed of in a safe manner at an approved facility in accordance with Local regulations.

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 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.