



## MATERIAL SAFETY DATA SHEET

### Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO., LTD

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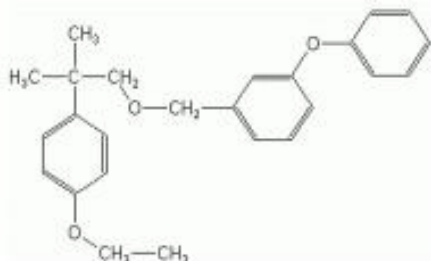
### 1. Chemical Product Identification

Product Name: Etofenprox 95% TC

Molecular Formula: C<sub>25</sub>H<sub>28</sub>O<sub>3</sub>

Molecular Weight: 376.49 g/mol

Structural Formula:



Chemical Name: 2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether

Form: Crystal

Color: White

CAS No.: 80844-07-1

### 2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Etofenprox	80844-07-1	95.0
Other ingredients		5.0

### 3. Hazards Identification



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Precautionary statement: Keep out of the reach of children. Repeated exposure to etofenprox can cause skin irritation.

Eye: eye irritation.

Skin: skin irritation

Ingestion: toxic

Inhalation: not available

Signs and symptoms of exposure: may cause mild skin irritation. May cause minimal eye irritation. Not a sensitizer.

#### **4. First Aid Measures**

**EYES:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Obtain medical attention.

**SKIN:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**INGESTED:** Call a physician or poison control center immediately for guidance. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**INHALED:** Remove affected person to fresh air. Call a poison control center or doctor for further treatment advice.

#### **5. Fire-Fighting Measures**

Method used: not available

Extinguishing media: use the following extinguishing media when fighting fires involving this material: carbon dioxide, dry chemical, or water spray.

Fire Fighting Instructions: firefighters should wear full protective clothing including self-contained breathing apparatus. Normal procedures. Do not allow fire-fighting water to escape into waterways or sewers.

Flammable properties and hazards: none known

#### **6. Accidental Release Measures**



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Steps To Be Taken In Case Material Is Released Or Spilled: Do not allow spill to enter waterways inhabited by aquatic organisms. Soak up with absorbent material (clay granules, sawdust, dirt or equivalent) and place in a suitable container for disposal.

## 7. Handling And Storage

Precautions To Be Taken in Handling: Avoid contact with eyes, skin or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Precautions To Be Taken in Storing: Keep out of the reach of children. Do not store near food or foodstuff.

## 8. Exposure Controls / Personal Protection

These precautions are suggested for conditions where the potential for exposure exists.

Emergency conditions may require additional precautions.

Skin protection: use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur.

Work/Hygienic/Maintenance Practices: Wash hands thoroughly with soap and water after handling and before eating, drinking smoking or using restroom.

## 9. Physical And Chemical Properties

Form: Crystal

Color: White

Melting point: 36.4-38°C

Boiling point: Decomposes before boiling

Density: 1.17 g/mL

## 10. Stability And Reactivity

Stability: stable under normal storage conditions.

Incompatibility: avoid contact with strong oxidizing agents.

Hazardous decomposition products: thermal decomposition may yield the following: carbon monoxide, carbon dioxide.

Hazardous reaction: not known to occur.

## 11. Toxicological Information



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Acute oral LD<sub>50</sub> for rat: >2000 a.i.mg/kg.

Acute dermal LD<sub>50</sub> for rat: >2000 a.i.mg/kg.

Acute inhalatio LC<sub>50</sub> (4 h) for rat: >5.88 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: low toxicity to birds, acute oral LD<sub>50</sub> for *Colinus virginianus* is >2000 a.i.mg/kg.

Effect on fish: high toxicity to fish, acute 96 hour LC<sub>50</sub> for Rainbow trout is 0.0027 a.i.mg/L.

Effect on aquatic invertebrates: high toxicity to aquatic invertebrates, acute 48 hour EC<sub>50</sub> for *Daphnia magna* is 0.0012 a.i.mg/L.

Effect on algae: moderate toxicity to algae, acute 72 hour EC<sub>50</sub> for *Pseudokirchneriella subcapitata* is >0.15 a.i.mg/L.

Effect on honeybees: high toxicity to honeybees, contact acute 48 hour LD<sub>50</sub> is >0.13 a.i.µg/bee; Oral acute 48 hour LD<sub>50</sub> is 0.27 a.i.µg/bee.

Effect on earthworms: moderate toxicity to earthworms, acute 14 day LC<sub>50</sub> is >24.6 a.i.mg/kg.

## 13. Disposal Considerations

Disposal: Do not reuse empty tube. If is household waste, wrap empty tube and discard in trash. For larger amounts, consult state and local regulations for proper disposal.

## 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



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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.