



## MATERIAL SAFETY DATA SHEET

### Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO.,LTD

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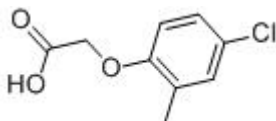
### 1. Chemical Product Identification

Product Name: MCPA 95% TC

Molecular Formula: C<sub>9</sub>H<sub>9</sub>ClO<sub>3</sub>

Molecular Weight: 200.62

Structural Formula:



Chemical Name: 4-chloro-2-methylphenoxyacetic acid

Form: Powder

Color: Light yellow to white

Odor: Amine odor.

CAS No.: 94-74-6

### 2. Composition / Information on Ingredients

Composition	CAS No.	Content %
MCPA	94-74-6	95.0
Other ingredients	---	5.0

### 3. Hazards Identification

Corrosive to eyes. Irritant to skin, respiratory and gastrointestinal systems.

### 4. First Aid Measures



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If In Eyes: In case of eye contact, immediately flush eyes with plenty of water for 15 minutes. Call a physician at once.

If Swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available drink large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person.

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

If On Skin: Wash promptly with soap and water. Rinse thoroughly. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. Fire-Fighting Measures

Fire Extinguishing Media: Foam, CO<sub>2</sub>, Dry Chemical, Water. The low flash point of this product is due to a minor component in the mixture. Based on independent laboratory testing of similar products, this product would not be classified as a combustible liquid.

Special Fire Fighting Procedures: Wear positive pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion: Runoff from fire control area or dilution water may cause pollution. Keep from ground water sources. If surface water is contaminated, call local authorities.

## 6. Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Do not touch spilled product. Contain and collect spill with absorbent material. Place into drums; cover and mark drums for disposal. Flush area with water if possible.

## 7. Handling And Storage

Precautions to be taken: Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing. To prevent cross-contamination, do not store near herbicides, fertilizers, insecticides, fungicides or seeds.

## 8. Exposure Controls/Personal Protection

Ventilation Requirements: Good local or mechanical ventilation of the workplace is required.



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Personal Protective Equipment: Wear long pants, long-sleeved shirt, shoes, gloves when mixing, loading or handling this concentrated product; Wear face shield or goggles when mixing, loading or handling this concentrated product.

## 9. Physical and Chemical Properties

Boiling Point: 221 °C

Melting Point: 115-117 °C

Evaporation Rate (Butyl Acetate = 1) : <1

Vapor Pressure (mm Hg.): 0.4 at 25 °C

Vapor Density : 0.17 mPa at 25 °C

Specific Gravity (H<sub>2</sub>O = 1): 1.12860

pH: 7.5-8.5

Density: 1.41 g/cm<sup>3</sup> at 20 °C

## 10. Stability and Reactivity

Stability: Stable.

Incompatibility (Materials to Avoid): Do not mix with acidic materials; may ruin product.

Decomposition/By-Products: Noxious fumes under fire conditions. May produce HCL organochlorides, nitrogen oxides, carbon monoxide.

Hazardous Polymerization: Will not occur.

## 11. Toxicological Information

Acute oral LD50 for rats: 962 a.i.mg/kg.

Acute dermal LD50 for rats: >4000 a.i.mg/kg.

Acute inhalation toxicity LC50 (4 h) for rats: >6.36 a.i.mg/L.

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

Eye irritation: Slightly to severely irritating to eyes (rabbits).

Skin sensitization for guinea pig: Non-sensitizing.

## 12. Ecological And Ecotoxicological Information

Effect on birds: Acute oral LD50 for Bobwhite quail is 234 a.i.mg/kg.

Effect on fish: Acute LC50 (96 h) for Rainbow trout is >72 a.i.mg/l.

Effects on aquatic invertebrates: Acute EC50 (48 h) for Daphnia magna is >190 a.i.mg/l.



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Effects on algae: Acute 72 hour EC50 for Pseudokirchneriella subcapitata is 79.8 a.i.mg/l.

Effects on bees: contact acute 48 hour LD50 is >200 a.i.µg/bee, oral acute 48 hour LD50 is >200 a.i.µg/bee.

Effects on earthworms: Acute 14 day LC50 is 325 a.i.mg/kg.

### 13. Disposal Considerations

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency for guidance.

**Container Disposal:** For Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke; For Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### 14. Transport Information

In our current available sizes, this product does not qualify as a Hazardous Material.

### 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.