

MATERIAL SAFETY DATA SHEET

Quinclorac TC

1. Chemical Product Identification

Product Name: Quinclorac
Molecular Formula: C₁₀H₅Cl₂NO₂
Molecular Weight: 242.1
Chemical Name: 3,7-dichloro-8-quinolinecarboxylic acid
Form: Solid
Color: slight yellow
Odor: Mild
CAS No.: 84087-01-4

Manufacturer/information service:

Manufacturer: Shanghai Tenglong Agrochem Co., Ltd.
Address: Yangpu building 24B, No.2005, Huangxing Road, Yangpu Shanghai, China
Telephone: +86 21 5506 3225
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2. Composition / Information on Ingredients

Composition	CAS No.	Content (%)
Quinclorac	84087-01-4	96.0
Other ingredients	-	4.0

3. Hazards Identification

Caution: May be harmful if swallowed. Harmful if inhaled. Harmful in contact with skin. Cause skin irritation. May cause skin irritation. May cause allergic skin reaction.

4. First Aid Measures

Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

If difficulties occur: Obtain medical attention. Show container, label and safety data sheet to physician.

If Inhaled: Remove the individual into fresh air and keep the person calm. Assist in breathing if necessary. Keep patient calm, remove to fresh air, seek medical attention.

If On Skin: Rinse skin immediately with plenty of water for 15-20 minutes. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If In Eyes: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Hold eye open and rinse slowly and gently with for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. If swallowed: Rinse mouth immediately and then drink plenty of water, seek medical attention.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Foam, dry extinguishing media, carbon dioxide, water spray.

Hazards During Fire-Fighting: Carbon monoxide, carbon dioxide, hydrochloric acid, nitrogen oxides. If product is heated above decomposition temperature, toxic vapors will be released. The substances of substances mentioned can be released if the product is involved in a fire.

6. Accidental Release Measures

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

7. Handling And Storage

Only keep in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

8. Exposure Controls/Personal Protection

Hand Protection: Chemical resistant protective gloves, protective glove selection must be based on the user's assessment of the workplace hazards.

Eye Protection: Safety glasses with side-shields. Tightly fitting safety goggles. Wear face shield if splashing hazard exists.

Body Protection: Body protection must be chosen depending on activity and possible exposure.

9. Physical and Chemical Properties

PH: 3.2

Melting point: 274°C

Relative density: 1.75

Vapor pressure: <0.01mPa@20°C

Partition coefficient: KowlogP=-1.15@20°C, pH=7

Solubility in water: 64mg/l@20°C

10. Stability and Reactivity

Stability: Stable.

Incompatibility (Materials to Avoid): Do not mix with acidic materials, as this will ruin the product.

Decomposition/By-Products: May produce gases such as HCl, nitrogen oxides, and carbon monoxide when burning.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute Toxicity:

Oral: LD50(rat): 2680 mg/kg
Inhalation: LD50/rat: >1.5g/l/4h. No mortality was observed.
Dermal: LD50/rat: >2,000 mg/kg No mortality was observed.
Skin irritation (rabbit): non-irritant
Eye irritation (rabbit): non-irritant
Skin sensitization: non-sensitizing

12. Ecological and Ecotoxicological Information

Environmental Hazards: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

13. Disposal Considerations

Waste disposal of substance: Pesticide wastes are regulated. Improper disposal of excess pesticide of according to label instructions, contact the Local Pesticide or Environmental Control Agency or the Hazardous Waste representative for guidance.

14. Transport Information

Class: 9
UN NO. : 3082
Packing group: III

15. Regulatory Information

Not applicable

16. Other Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.