

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 11 1983

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

42567-2

1st Panel

QUINOLATE 98

A Fungicide for Manufacturing Use

Active Ingredient: Copper 8-Quinolate (anhydrous).....	98.00%
Inert Ingredients:.....	2.00%
	100.00%

DIRECTIONS FOR USE

PLEASE REFER TO TECHNICAL DATA SHEET

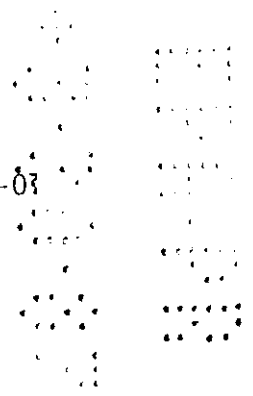
KEEP OUT OF REACH OF CHILDREN	(12 pt)
W A R N I N G	(18 pt)
Use Safety Gloves and Goggles When Handling See Side Panel for Additional Precautionary Statements	

For Manufacturing Purposes Only

EPA Reg. No. 42567-

EPA Est. No. 42567-FR-03

La Quinoleine, S.A.
43, rue de Liege
75008 Paris - France



2nd Panel

Precautionary Statements
Hazards to Humans
(and Domestic Animals).

May be fatal if inhaled. Do not breathe dust or vapor. Harmful if swallowed. Avoid contact with skin, eyes or clothing.

First Aid

In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Storage and Disposal

(12 pt)

Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures under the Resource Conservation and Recovery Act.

Container Disposal: Do not reuse empty container. Destroy by perforating or crushing, then dispose of in a sanitary landfill, or by other approved state and local procedure.



LaQuinoleine SA
43, rue de Liege
75008 Paris, France

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QUINOLATE 98
Fungicide for
Manufacturing Use

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42567-2

PRODUCT BULLETIN

QUINOLATE 98 is an excellent microbiocide for the control of fungi. It can be used in virtually all cases where mold or mildew problems occur.

Recommendations For Using QUINOLATE 98

QUINOLATE 98 is a high quality technical grade of copper-8-quinolate containing 98% active ingredient that is intended for use in manufacturing copper-8-quinolate based formulations for the following registered uses:

- Preservation of textiles
- Prevention of wood decay
- Protection of adhesives and glues
- Fungicidal paints
- Preservation of paper products

Detailed use directions depend on the desired final product. QUINOLATE 98 is compatible with all operations requiring technical copper-8-quinolate. The final product should conform to formulations which are currently registered with the U.S. EPA. It is the responsibility of the formulator to register their product with the U.S. EPA.

Use Precautions

The following precautions should be used in handling QUINOLATE 98:

Do not breath dust or vapor. QUINOLATE 98 is toxic if inhaled. Inhalation may be fatal. Harmful if swallowed. Avoid contact with skin, eyes or clothing.

QUINOLATE 98 is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures under the Resource Conservation and Recovery Act.

Container Disposal: Do not reuse empty container. Destroy by perforating or crushing, then dispose of in a sanitary landfill, or by other approved State and local procedure.

Personal Protective Equipment

Do not inhale dust or vapor. Wear a respirator if necessary. Wear safety gloves and goggles when handling. Launder outer garments if exposed to dusts or spills.

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First Aid Procedures

- Inhalation : Remove to fresh air. Get immediate medical attention.
- Contact with Eyes or Skin : Immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.
- Ingestion : Do not induce vomiting. If spontaneous vomiting occurs, keep airway clear. Never give anything by mouth to an unconscious person. Get medical attention.

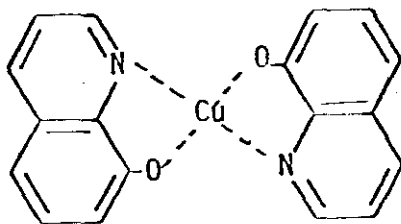
Container

QUINOLATE 98 is available in 1, 5, 10 and 50 kg polyethylene lined fiberboard drums.

Physical and Chemical Properties -- QUINOLATE 98

- Chemical Name : Copper 8-hydroxyquinolate
- Synonyms : Copper 8-oxyquinolinol
Copper Oxine

Structure :



- Empirical Formulas : $(C_9H_6ON)_2Cu$
- Molecular Weight : 351.6
- Purity : 98.0% active ingredient
- Form : Crystalline powder 95% <100 microns
- Color : Olive green
- Odor : Odorless, tasteless
- Density : 1.63 g/ml
- Melting Point : Decomposes above 270°C
- Vapor Pressure : <0.0001 mm Hg @ 25°C
- Stability : Is stable towards hydrolysis between pH 2.7 and 12.
Is decomposed by acid and alkali outside this range.
Stable towards light and U.V.
- Solubility : Water 0.22 mg/l
Slightly soluble in Pyridine, quinoline, chloroform, xylene, dioxane and ethylene glycol