r	95061-2	EPA REGISTRATION NO.	DATE OF ISSUANCE	
[U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS	42567-2		
Ì	REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	TERM OF ISSUANCE		
1	NOTICE OF PESTICIDE: REGISTRATION	NAME OF PESTICIDE PRO	DUCT	
ł	(Under the Federal Insecticide, Fungicide,	Quinotate 98		
	and Rodenticide Act, as amended)	92.10,000		
Ī	NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		44. 941	
ľ	r	コ	16/ 946	
ı	oway Agrocuemicals P.O. Box X		18 1	
l	Vere Beach, FL 32960			
ł			**************************************	
1	L	_ J⁺		
1		•		
j	NOTE: Changes in labeling formula differing in substance submitted to and accepted by the Registration Division product always refer to the above U.S. EPA registration not be submitted.	ior to use of the label in comm	tion with this registration nerce. In any corresponder	
l	On the basis of information furnished by the registrant, the Federal Insecticide, Fungicide, and Rodenticide Act.		ereby Registered/Reregist	
1	A copy of the labeling accepted in connection with this B	Registration/Reregistration is	returned herewith.	
Ī	Registration is in no way to be construed as an indorseme health and the environment, the Administrator, on his mot			
	icide in accordance with the Act. The acceptance of any Act is not to be construed as giving the registrant a right by others.	name in connection with the re to exclusive use of the name	egistration of a product un or to its use if it has bee	
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ACCEPTED
with COMMENTS
in EPA Letter Dated:

1st Panel

APR 11 1983

Under the Federal Insecticide, Funginice, and Redenticide Act as amended, for the position registered under ETA Reg. Ko. 42567-2

QUINOLATE 98

A Fungicide for Manufacturing Use

Active Ingredient: Inert Ingredients:.		
	•	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. %o. 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 of 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

APR 1 1 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 42567-2

PRODUCT BULLETIN

Telephone 522.17.49

QUINOLATE 98 Fungicide for Manufacturing Use

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

1

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.

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 atten-

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

(C₉H₆ON)₂Cu Empirical Formulas:

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/m

Melting Point

Decomposes above 270°C

Vapor Pressure

<0.0001 mm Hq @ 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/1

Slightly soluble in Pyridine, quinoline, chloroform,

xylene, dioxane and ethylene glycol