



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

Marc M. Mason  
General Manager  
Mason Chemical Company  
721 W. Algonquin Road  
Arlington Heights, IL 60005

APR 3 2002

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Amendment per FIFRA  
Maquat 2.56-M  
EPA Registration No. 10324-86  
Application Dated: January 10, 2002

Dear Mr. Marc Mason:

The following amendment, submitted in connection with registration under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the comments listed below:

#### Proposed Amendment

- Update First Aid Statements
- Update Precautionary Statements
- Update Disposal Statements

#### Label Comments

Revise the Precautionary Statements to read:

**"DANGER, Keep out of Reach of Children. Corrosive.** Causes irreversible eye damage and skin burns. *May be fatal if absorbed through the skin. Harmful if swallowed.* Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse."

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**General Comments**

A stamped copy of the label is enclosed for your records. You must submit a final printed label before you release this product for shipment. If you have any questions regarding this letter, please contact me at 703-308-6233.

Sincerely,



Velma Noble  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobial Division (7510 C)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**DANGER, Keep Out of Reach of Children** Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

(If container is 5 gallons or larger the following statement must appear on the label)

**ENVIRONMENTAL HAZARD**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not mix with oxidizers, anionic soaps and detergents

(If the container is greater than one gallon use the following storage and disposal statements)

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal  
**PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL** (Larger than 1 gal.) - 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. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(If container is one gallon or less use the following storage and disposal statements)

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creating or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10324-86

**MAQUAT 2.56-M**

Heavy Duty Disinfectant-Cleaner-Fungicide-Mildewstat-Virucide\*-Sanitizer-Deodorizer with Organic Soil Tolerance Plus Disinfectant Hard Water (400 ppm Calculated as CaCO<sub>3</sub>). Tolerance For Non-Medical Use Areas\*\* Hospital-Institutional-Industrial and School Uses.

**ACTIVE INGREDIENTS:**

Octyl Decyl Dimethyl Ammonium Chloride.....	0.768%
Didecyl Dimethyl Ammonium Chloride.....	0.384%
Dioctyl Dimethyl Ammonium Chloride.....	0.384%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride.....	1.024%
<b>INERT INGREDIENTS:</b> .....	97.440%
<b>TOTAL</b> .....	100.000%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**  
 See left panel for additional precautionary statements

**First Aid**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment  
**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**IF IN EYES:** Hold eye 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 eye. Call a poison control center or doctor for treatment advice  
**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**MASON CHEMICAL COMPANY**  
 "THE QUATERNARY SPECIALISTS"



721 W. Algonquin Road  
 Arlington Heights, IL 60005  
 847-290-1621  
 Toll Free:  
 1-800-362-1855

E.P.A. Reg. No. 10324-86  
 E.P.A. Est. No. 10324-IL-1

No. 10324-86

NET CONTENTS

BATCH NO

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 with COMMENTS in EPA Letter Dated: APR 03 2002

This formulation is a heavy-duty disinfectant cleaner with cleaning efficiency. It has been formulated to aid in the reduction of cross-contamination in institutions, schools and hospitals. This product is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal and inhibits the growth of mold and mildew and their odors when used as directed. This product is an effective one-step sanitizer-cleaner for use on porous and non-porous non-food contact surfaces in waters up to 400 ppm hardness.

This formulation is a proven "one-step" disinfectant-cleaner-mildewstat-sanitizer-fungicide-virucide in the presence of organic soil and 400 ppm hard water.

#### DIRECTIONS FOR USE

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

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

Apply this disinfectant to walls, floors and other hard (inanimate) surfaces such as tables, chairs, countertops, sinks and bed frames with a cloth, mop or mechanical spray device. Surface must be sprayed until thoroughly wetted. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty. Treated surfaces must remain wet for ten minutes.

**DISINFECTANT - Non-Medical Use Areas -** Schools, Institutions and Industries  
At 2 oz. per gallon use level, the activity of this disinfectant has been evaluated in the presence of 5% serum by the AOAC use dilution method and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

- |                                    |                                  |
|------------------------------------|----------------------------------|
| <i>Brevibacterium ammoniagenes</i> | <i>Salmonella schottmuelleri</i> |
| <i>Enterobacter aerogenes</i>      | <i>Salmonella typhi</i>          |
| <i>Escherichia coli</i>            | <i>Serratia marcescens</i>       |
| <i>Klebsiella pneumoniae</i>       | <i>Shigella dysenteriae</i>      |
| <i>Proteus mirabilis</i>           | <i>Staphylococcus aureus</i>     |
| <i>Salmonella choleraesuis</i>     | <i>Streptococcus pyogenes</i>    |

**Non-Medical Use Areas -** At 3 oz. per gallon use level prepared in water up to 400 ppm hardness. The activity has been evaluated in the presence of both 5% blood serum and 400 ppm hard water against the above referenced organisms.

**For Hospitals and Nursing Homes -** At 3 oz. per gallon level. At this dilution, this disinfectant is effective against *Pseudomonas aeruginosa* as well as the broad spectrum organisms listed. The same AOAC tests used above were used to confirm suitable performance.

**\*Virucidal Performance -** At 2 oz. per gallon use level, this product was evaluated in the presence of 5% serum and found to be effective against the following viruses on inanimate environmental surfaces:

- Herpes Simplex Type 1
- Influenza A (Brazil) virus
- Vaccinia

#### Fungicidal Performance

This product is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used at 2 oz. per gallon in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

**Mildewstatic Performance -** At 2 oz. per gallon, this product will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

**Sanitizing-Non-Food Contact Surfaces -** At 3/4 oz. per gallon use-level, 30 second contact time, this product is an effective sanitizer in waters up to 400 ppm hardness against *Staphylococcus aureus* and *Klebsiella pneumoniae* on non-porous surfaces. For sanitizing non-food contact surfaces. NO POTABLE WATER RINSE IS REQUIRED.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 03 2002

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 10-324-86

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