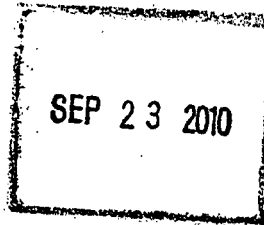


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Erin Tesch  
Agent for Mason Chemical Company  
Technology Sciences Group, Inc.  
1150 18<sup>th</sup> Street, N.W., Suite 1000  
Washington, D.C. 20036



Subject: Maquat 1.8-M  
EPA Registration No.: 10324-82  
Amendment Date: June 30, 2010  
EPA Receipt Date: June 30, 2010

Dear Ms. Tesch,

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

**Conditions**

- 1) Revise the Precautionary Statements to include the following and deleting the repetitive statement: "... Wash thoroughly...eating, drinking, *chewing gum, using tobacco or using the toilet. Remove contaminated...*"
- 2) You have indicated that this product may be used as a cleaner and deodorizer but have not included directions for these uses. Add the following language to the Direction for use section of your label: "*For Cleaning and Deodorizing: Dilute 2 ounce of this product per gallon of water. Swab surfaces with cloth, mop or mechanical spray device. Wipe up excess or allow to air dry.*"
- 3) The second section of your directions for use indicates that this product is to be used on hard non-porous surfaces. As such revise tile and porcelain as follows: "...sinks, *glazed tiles and glazed porcelain with a...*" Add the following statement to the end of this section as per DIS/TSS-15: "*Wipe up excess or allow to air dry.*"

CONCURRENCES							
SYMBOL	7510P						
SURNAME	J. Lopez						
DATE	9/23/10						

- 4) Neither the Fungicidal Performance section nor the Virucidal Performance section indicate a contact time. Add the following statement to each section as per DIS/TSS-15: *“Treated surfaces must remain wet for 10 minutes.”*
- 5) Revise the HIV instructions to include the following: *“...gowns, masks and eye coverings.”*
- 6) Revise your directions for Sanitizing Non-Food Contact Surfaces by deleting the word “porous” as this section does not list any porous surfaces which may be treated.
- 7) Revise the Storage and Disposal section on page 3 by deleting the section headed: “For Use on Non-Refillable Containers with Household/Residential Uses”. This product is not for use by a homeowner or resident. As indicated on the front panel of this label, this product is for use in schools, industry and non-medical institutions.
- 8) Revise the first container disposal statement on page 3 by deleting “If rinsate cannot be used, follow Pesticide Disposal instructions.” Since this section has not been qualified for use as either public health or non-public health the following statement must be added: *“Dispose of rinsate as pesticide waste.”*
- 9) Delete the text for RTU container labels as this is not a ready to use product nor have you provided any use dilution labeling for this product.

**General Comments**

A stamped copy of the accepted labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510P)

Enclosure: Stamped Label  
7510P:T.Lantz:9/23/10:10324-82 label amendment



**MASON CHEMICAL COMPANY**  
 "The Quaternary Specialists"

721 W. Abingdon Road / Arlington Heights, IL 60005 / (708) 290-1621 or 800-362-1855

EPA Reg. No. 10324-82  
 EPA Est. No. 10324-IL-1

**NAQUAL 18-M**

Net Contents:

Batch No:

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**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 into eyes, on skin or on clothing. Wear protective eyewear, clothing, gloves (goggles, face shield, safety glasses and rubber gloves). Wash thoroughly with soap and water after handling and before eating drinking or using tobacco. Maybe fatal if absorbed through skin. 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

ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated:

SEP 23 2010

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act as  
 amended, for the pesticide,  
 registered under EPA Reg. No. 10324-82

Disinfectant, Cleaner, Sanitizer, Fungicide, Mildewstat, Virucide\*  
 Deodorizer with Organic Soil Tolerance for Schools, Industry, and  
 Non-Medical Institutions

**ACTIVE INGREDIENTS:**

Octyl Decyl Dimethyl Ammonium Chloride.....	0.54%
Didecyl Dimethyl Ammonium Chloride.....	0.27%
Diocetyl Dimethyl Ammonium Chloride.....	0.27%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride.....	0.72%

**INERT INGREDIENTS:**..... 98.20%  
**TOTAL**..... 100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

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.

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

3/5

This product is an industrial cleaner, which disinfects as it cleans. It is especially designed for schools, non-medical institutions and industry. A single application removes dirt and grime, disinfects, is virucidal, fungicidal and will control the growth of mold and mildew and their odors. When used as directed, the hard surface disinfecting action of this product will reduce the hazard of cross-contamination. This product is also an effective one-step sanitizer for non-food contact surfaces.

When used as directed, this product will deodorize surfaces in toilet areas; behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.

This product is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-mildewstat-virucide in the presence of moderate amounts of organic soil.

#### DIRECTIONS FOR USE

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

Apply to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tiles and porcelain with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. If mechanical spray is used, spray should be coarse. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when used solution becomes visibly dirty.

**DISINFECTION** – To disinfect hard, non-porous surfaces add 2 ounces per gallon of water. Treated surfaces must remain wet for 10 minutes.

The activity of this product has been evaluated in the presence of 5% serum by the AOAC use dilution test 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 typhi</i>
<i>Escherichia coli</i>	<i>Serratia marcescens</i>
<i>Klebsiella pneumoniae</i>	<i>Shigella dysenteriae</i>
<i>Salmonella choleraesuis</i>	<i>Staphylococcus aureus</i>
<i>Salmonella schottmuelleri</i>	<i>Streptococcus pyogenes</i>

#### Fungicidal Performance

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

#### Mold and Mildew Control

At 2 ounces 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.

#### \*Virucidal Performance

At 2 ounces per gallon use-level, this product was evaluated in the presence of 5% serum and found to be effective against the following viruses on hard non-porous inanimate environmental surfaces:

Herpes Simplex Type 1	Vaccinia Virus
Influenza A/Brazil, and.	

At 6.5 ounces per gallon in the presence of 5% blood serum and 400 ppm of hardness for a 10 minute contact time, this product was found to be effective against HIV-1 (AIDS Virus).

#### \*SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES SOILED WITH BLOOD/BODY FLUIDS\*

Effective against HIV in pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

**Personal Protection:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, eye coverings.

**Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant.

**Disposal of Infectious Materials:** Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

**Contact Time:** Leave surfaces wet for 10 minutes.

**Sanitizing-Non-Food Contact Surfaces (such as floors, walls and tables)** At 5 ounces per 4.5 gallon use-level, 30 second contact time, this product is an effective sanitizing agent against *Staphylococcus aureus* and *Klebsiella pneumoniae* in the presence of 5% serum on non-porous environmental surfaces.

(Note to reviewer: The title and first statement of this section must appear on every label, followed by the appropriate Storage and Disposal section. Only one statement in parenthesis in each section will be used. All "Notes" are only for reviewers and will not be included on label.)

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

(FOR USE ON NON-REFILLABLE CONTAINERS WITH HOUSEHOLD/RESIDENTIAL USES)

~~PESTICIDE DISPOSAL/CONTAINER HANDLING/CONTAINER DISPOSAL: Non-refillable container. Store only in original container in areas inaccessible to children. Do not reuse empty container. Triple rinse container. Do not reuse empty container. Wrap (container) and put in trash or offer for recycling if available.~~

(FOR USE ON NON-REFILLABLE CONTAINERS WITH INSTITUTIONAL/COMMERCIAL/INDUSTRIAL)

(Note: To be used with either Nonpublic health or Public health uses in this section. Only one statement in parenthesis will be used.)

(Note: For use on containers greater than one gallon)

**PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep (this product) (Product Name) under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

(Note: For use on containers greater than one gallon)

**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:** (Note: Only one of the following Container Disposal paragraphs will be used, depending on packaging type.)

Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate). Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. ~~If rinsate must be used, follow Pesticide Disposal instructions.~~

(Note: Several of our customers' packaging options are sealed containers or bottles designed to reduce worker exposure to the concentrate. None of these can be triple rinsed because they are closed sealed containers. The following text will be used on these non-refillable sealed container types only.)

Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

~~(Note: The following text will be used on non-refillable RTU container labels only.)~~

~~Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in~~

(Note: The following text will be used on the BAG in BOX container types only. No Residue Removal instructions are used when BAG in BOX container disposal instructions is used.)

**BAG in BOX CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incinerations, or by other procedures allowed by state and local authorities.

(Note: For use on containers of one gallon or less. The following "Pesticide Storage" section replaces the above "Pesticide Storage" "Pesticide Disposal" and "Container Disposal" section.)

**CONTAINER DISPOSAL/PESTICIDE STORAGE:** Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep (this product) (Product Name) under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap (container) and put in trash or offer for recycling if available.

(FOR USE ON REFILLABLE CONTAINERS)

(Note: The following text must be used on all refillable containers greater than five gallons.)

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep (this product) (Product Name) 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.

(Note to Reviewer: Only one of the following paragraphs will be used for Residue Removal/Container Disposal on all refillable and non-refillable Industrial/Commercial/Industrial labels.)

(Note: For containers up to and including 5 gallons)

**RESIDUE REMOVAL INSTRUCTIONS:** Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water and recap. Shake for 10 seconds. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For containers greater than 5 gallons with Industrial/Commercial Non-public Health Uses)

**RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. ((Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds) (Agitate vigorously or recirculate water for 30 seconds)). Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(For containers greater than 5 gallons with Industrial/Commercial Public Health Uses)

**RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, triple rinse as follows: Fill container ¼ full with water. ((Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds) (Agitate vigorously or recirculate water for 30 seconds)). Stand the container on its end and tip it back and forth several times. Turn the container over its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

(For containers up to and including 5 gallons)

**CONTAINER HANDLING/RESIDUE REMOVAL:** Refillable container. Triple rinse (or equivalent). Refill this container with (this brand) (this product) (Product name) (pesticide) only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.