

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobial Division (7510C)
1200 Pennsylvania Avenue N.W.
Washington, D.C. 20460

EPA Reg. Number:

10324-140

Date of Issuance:

NOV 25 2003

NOTICE OF PESTICIDE:

[X] Registration
Re-registration

(under FIFRA, as amended)

Term of Issuance:

This Notice of Registration expires on 3/25/04.

Name of Pesticide Product:

Maquat MQ2525M-CPV

Name and Address of Registrant (include ZIP Code):

Mason Chemical Company
721 W. Algonquin Road
Arlington Heights, IL 60005

Note: Changes in labeling differing in substance from that accepted for registration must be submitted to and accepted by the Registration Division... correspondence on this product always refer to the above EPA Reg. No.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that:

- 1. You submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Add the phrase "EPA Reg. No. 10324-140"

Signature of Approving Official:

Velma Noble
Acting Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

[Handwritten Signature]

Date:

NOV 25 2003

CONCURRENCES

Table with columns for SYMBOL, SURNAME, and DATE. Includes EPA Form 1320-1A (1/90) and Printed on Recycled Paper.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

page 2  
EPA Reg. No. 10324-140

2. Efficacy data using *Pseudomonas aeruginosa* and *Staphylococcus aureus* on 60 carriers, with each of 3 samples, one aged 60 days must be submitted by 12/16/03. This data must be generated according to DIS/TSS-1 (enclosed).

3. The submitted data in item #2 above must be found to be acceptable in order for EPA to change the "Terms of Issuance" of this registration. If any of the submitted data are not found to be acceptable, this registration will automatically expire on 3/25/04.

4. Make the following changes to the label and submit one copy of final printed label.

A. Revise the Precautionary Statements such that the signal word: DANGER is listed on a separate line immediately following "Hazards to Humans and Domestic Animals" In addition, add the following statement to this section: "Avoid breathing vapor or spray mist."

B. On page two, delete the following statement which is not appropriate for all formulations: "This product is a complete, chemically balanced disinfectant that provides clear use solutions."

C. You have not identified homes, shopping malls, department stores, hospitals or any other similar sites on the front panel of your label nor have you provided Child Resistant Packaging Certification. Thus the following statements on page two which are not in agreement with other label text must be deleted:

1. Delete: This product is effective against household germs...bathroom and kitchen odors."

2. Delete: "Department stores and shopping malls."

3. Delete: "This product meets AOAC Use Dilution Testing Standards for Hospital disinfectants." You do not have directions for use in hospitals.

4. Delete the entire section: "This product is not to be used as a terminal sterilant/high level...prior to sterilization or high level disinfection."

5. Delete: "Not for use on medical device...for human health services."

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

page 3  
EPA Reg. No. 10324-140

D. Revise the statement on page two which begins "Glass, metal, stainless steel..." to read as follows: "Non-food contact glass, metal, stainless steel, glazed porcelain, glazed ceramic, granite, marble, plastic chrome and vinyl." and deleting fiberglass which is considered a porous surface. You may add fiberglass back to the label at a later date by listing specific items made of fiberglass which are by their nature inherently non-porous such as bathtubs and shower stalls.

E. Revise the following statement in the "NOTE" on page two: "Prepare a fresh solution at least daily or sooner if use solution becomes visibly dirty."

F. Revise the "From Concentrate" toilet bowl directions on page three by correcting the use rate to 3 ounces to be in agreement with the data provided to support this product. In addition, delete the surface "urinal" as it is not appropriate to treat a urinal with the concentrate since the urinal does not contain standing water in which to dilute the product.

G. Revise the directions "To Disinfect Food Service Establishment Food Contact Surfaces" on page three by specifying: "...(countertops, exterior surfaces of appliances, tables)..."

H. Revise the directions for "Hatcheries" on page three to be in agreement with the directions for use on 10354-108 as follows: "...delivery trucks and other hard non porous surfaces...for 10 minutes or more, rinse with potable water before reuse and allow to air dry."

I. Revise the directions for "Rendering Plant/Dressing Plant Disinfectant Directions" on page three to be in agreement with the directions for use on 10354-108 by beginning this section as follows: "Remove or cover all food and packaging materials. Remove all gross soils. Disinfect equipment..." and add: "...3 ounces of this product per gallon of water (or equivalent use dilution)(750 ppm active quat), scrub to loosen all soils. Equipment..." Also correct "Disinfect all rooms..." to read "Disinfect offal rooms..."

J. Revise the directions for "Farm Premise Disinfectant Directions" on page three to include: "5. Saturate all surfaces with 3 ounces of this product/gallon of water."

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

page 4  
EPA Reg. No. 10324-140

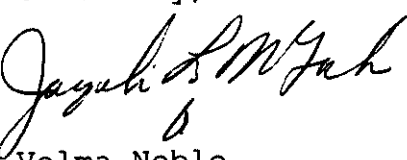
K. Revise the directions for "Veterinary Clinic/Animal Life Science...Disinfectant Directions" on page three by revising the following statement, deleting the text "this product": "...Thoroughly clean all surfaces with soap or detergent and rinse with water..." In addition add the following statement to this section as per 10324-108: "Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure."

L. Alternate Formulation #5 dated 10/23/03 is unacceptable as this formula does not meet the label claim.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6 (e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,  


Velma Noble  
Product Manager 31  
Regulatory Management Branch 1  
Antimicrobial Division (7510C)

Enclosures: Stamped Label

DIS/TSS-1		CONCURRENCES					
SYMBOL	510C:T.Lantz:11/24/03:10324-RUN						
SURNAME							
DATE							

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

**DANGER. Keep Out of Reach of Children.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled, 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. 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.

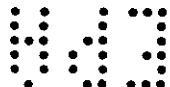
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or 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 creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).



**MAQUAT® MQ2525M-CPV**

Disinfectant, Deodorizer, Virucide\* - With Organic Soil Tolerance for, Veterinary Clinics, Pet Shops, Kennels, Animal Care Facilities, Tack Shops, Animal Life Science Laboratories, Breeding And Grooming Establishments, Food Processing Facilities, and Farms.

**ACTIVE INGREDIENTS:**

Alkyl (C<sub>14</sub> 60%, C<sub>16</sub> 30%, C<sub>12</sub> 5%, C<sub>18</sub> 5%)  
dimethyl benzyl ammonium chloride ..... 1.60%  
Alkyl (C<sub>12</sub> 68%, C<sub>14</sub> 32%)  
dimethyl ethylbenzyl ammonium chloride ..... 1.60%

**INERT INGREDIENTS:** ..... 96.80%

**TOTAL:** ..... 100.00%

**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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 25 2003

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



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

NET CONTENTS

BATCH NO

5/8

10324-140

This product contains no phosphorous.

This product maximizes labor results by effectively controlling odors.

When used as directed, this product will deodorize surfaces where bacterial growth can cause malodors.

Cross contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces.

This product delivers non-acid disinfection performance in an economical concentrate.

This product is a concentrated disinfectant that is effective against a broad spectrum of bacteria and is virucidal\* when used as directed.

This product is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

This product will not leave a grit or soap scum.

This product is a versatile disinfectant and virucide for use in Veterinarian, Animal Care and Agricultural applications.

This product is a complete, chemically balanced disinfectant that provides clear use solutions.

This product inhibits odor causing bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. (Note: Statement not for use in California.)

This product neutralizes musty odors and tough odors from pet accidents on contact.

Use this product on the multi-touch surfaces responsible for cross-contamination.

This product provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

Maquat MQ2525M-CPV for use in:

- Veterinary clinics, animal life science laboratories, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, tack shops and other animal care facilities.
- Animal holding areas, waiting rooms, examination rooms, x ray, operating rooms.

This product may be used on washable hard non-porous surfaces such as:

- Glass, metal, stainless steel, glazed porcelain, glazed ceramic, granite, marble, plastic, chrome and vinyl.
- Enameled surfaces, painted woodwork, Formica®, vinyl and plastic upholstery.
- Tables, chairs, desks, lifts, washable walls, cabinets, doorknobs and garbage cans.
- Examination tables, X ray tables, washing areas, animal grooming areas.
- Picnic tables and outdoor furniture.
- Telephones and telephone booths.
- Kennels, kennel runs, cages, floors, conductive flooring.

This product may be used on washable hard non-porous surfaces such as:

## 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 at which it does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used as pre-cleaner or decontaminant critical or semi-critical medical devices prior to sterilization or high-level disinfection.~~

(Or use the following sentence if not used on medical devices or medical equipment.)

For use on hard non-porous surfaces in animal care facilities such as floors, walls, cabinets, chairs, tables, cages, feeding and watering equipment, furniture, operating tables, metal surfaces, stainless steel, glazed porcelain, painted or sealed woodwork, ceramic tile and plastic.

Apply this product with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray.

**NOTE:** With spray applications cover or remove all food products. A fresh solution should be prepared at least daily or when use solution becomes visibly dirty. For heavily soiled areas, a preliminary cleaning is required.

## DISINFECTION

Add 3 ounces of this product to one gallon of water or equivalent dilution (750 ppm active quat). Treated surfaces must remain wet for 10 minutes. At this use level, this product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum against:

*Pseudomonas aeruginosa*  
*Salmonella choleraesuis*

*Staphylococcus aureus*

**Virucidal Performance:** At 3 ounces per one gallon use level or equivalent dilution (750 ppm active quat), this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses on hard nonporous environmental surfaces:

Canine Adenovirus  
Canine Coronavirus  
Canine Distemper Virus  
Canine Parainfluenza Virus  
Feline Calicivirus

Feline Infectious Peritonitis  
Feline Panleukopenia  
Feline Picornavirus  
Feline Rhinotracheitis  
Infectious Canine Hepatitis Virus

## Disinfection and Virucidal Dilution Chart

Ounces of Product	Amount of Water
¾ ounce	1 quart
1.5 ounces	½ Gallon
3.0 ounces	1 gallon
7½ ounces	2 ½ gallons
15.0 ounces	5 gallons
30.0 ounces	10 gallons

819

**Effectiveness against Canine Parvo Virus (CPV) and Porcine Parvovirus:** At 9 ounces per gallon of water or equivalent dilution this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against Canine Parvo Virus and Porcine Parvovirus on hard non-porous environmental surfaces.

**General Deodorization:** To deodorize, add 3 ounces of this product per gallon of water (or equivalent use dilution) (750 ppm active quat). Excess material should be wiped up or allowed to air dry.

**For Odors Caused by Dogs, Cats and Other Domestic Animals:** Use on rugs, floors, walls, tile, cages, crates, litter boxes, mats, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization".

**NON-ACID TOILET BOWL DISINFECTANT DIRECTIONS**

Remove gross filth prior to disinfection.

**From Concentrate:** Add 2 1/4 ounces to the toilet bowl or urinal and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, or sponge. Repeat and allow to stand for 10 minutes and flush.

**From Use-solution:** Empty toilet bowl or urinal and apply a 3 ounce per gallon or equivalent dilution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer; brush or swab thoroughly and allow to stand for 10 minutes and flush. For spray application use a coarse spray device.

**To Disinfect Food-Processing and Tobacco Premises:** (floors, walls and storage areas) Add 3 ounces of this product per gallon of water (or equivalent use dilution) (750 ppm active quat). For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications use a coarse spray device. Allow surfaces to remain wet for 10 minutes, then remove excess liquid. Before using this product, food products and packaging materials must be removed from area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

**To Disinfect Food Service Establishment Food Contact Surfaces:** (countertops, appliances, tables) Add 3 ounces of this product per gallon of water (or equivalent use dilution) (750 ppm active quat). Before using this product, food products and packaging materials must be removed from area or carefully protected. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications use a coarse spray device. Allow surfaces to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water.

**For Use on Non-food Contact Surfaces as a General Disinfectant in the Brewery Industry:** Use 3 ounces of this product per gallon of water (or equivalent use dilution) (750 ppm active quat). Follow the general disinfectant directions above.

**Disinfection/Fungicide/Virucide of Poultry/Turkey Equipment, Swine Quarters, Animal Quarters and Kennels. Directions:** Remove all animals and feeds from premises vehicles and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, cages, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 3 ounces of this product per gallon of water (9 ounces for Canine Parvo Virus) (or equivalent use dilution). Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. Immerse all

halters, ropes, leashes, reins and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After application, ventilate buildings, pens, coops and other closed spaces. Do not house poultry, or other animals or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

**HATCHERIES:** Use 3 ounces of this product per gallon of water. Apply to hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to solution for 10 minutes or more and allow to air dry.

**VEHICLES:** Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. For sprayer applications, use a coarse spray device. Use 3 ounces of this product per gallon of water. Leave all treated surfaces exposed to solution for 10 minutes or more and allow to air dry.

**RENDERING PLANT/DRESSING PLANT DISINFECTANT DIRECTIONS**

Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants with a solution of 3 ounces of this product per gallon of water (or equivalent use dilution) (750 ppm active quat). Equipment and utensils must remain wet for 10 minutes then thoroughly rinsed with potable water before operations are resumed. Disinfect all rooms, exterior walls and loading platforms of dressing plants.

**FARM PREMISE DISINFECTION DIRECTIONS**

**For Use in Equine, Dairy and Hog Farms:**

1. Remove all animals and feed from premises, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, chutes and other facilities and fixtures occupied or transversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with the recommended disinfecting/virucidal solution for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

**Veterinary Clinics/Animal Life Science Laboratory/Pet Shop/Kennels/Breeding and Grooming Establishment/Tack Shops Disinfection Directions:** For cleaning and disinfecting the following hard non-porous surfaces: equipment, utensils, instruments, cages, kennels, stables, stalls and catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or transversed by animals. Thoroughly clean all surfaces with this product, soap or detergent and rinse with water. Saturate surfaces with a use solution of 3 ounces per gallon of water (9 ounces for Canine Parvo Virus) (or equivalent dilution) for a period of 10 minutes.

718

Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent, and rinse with potable water before reuse.

*(Alternative language for bag in the box dispensing equipment.)*

**DIRECTIONS FOR BAG-IN BOX CONTAINERS**

**How to use this package:** This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on the box.

**Trigger sprayers:** Fill bottle from dispenser. Apply to surfaces according to directions above.

**Mop Buckets:** Fill bucket from dispenser. Set up "Wet Floor" signs. Mop floor surfaces as specified in directions above.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 25 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 10324-140

004207

843