

10324-222

5/28/2014

117



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

EPA Reg.

Number:

10324-222

Date of Issuance:

MAY 28 2014

Term of Issuance:

Conditional

Name of Pesticide Product:

Maquat 5:10

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 in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product (OPP Decision No. D-485973) is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 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. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Symbol to read, "EPA Reg. No." 10324-222

Signature of Approving Official:

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

Date:

MAY 28 2014

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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. Should you have any questions regarding this letter, please contact.

Sincerely,



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

Enclosure: stamped label, product chemistry review dated 5/22/2014 and efficacy review dated 2/20/2014

---

3/7

MASON CHEMICAL COMPANY "The Quaternary Specialists"

EPA Reg. No. 10324-XXX

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

EPA Est. No.

# MAQUAT<sup>®</sup> 5:10

(Note to Reviewer: Marketing claims may be used on the front panel.)

**ACTIVE INGREDIENTS:**

Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> )	
Dimethyl Benzyl Ammonium Chloride .....	10.0%
Glutaraldehyde .....	5.0%
<b>INERT INGREDIENTS:</b> .....	<b>85.0%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

Weight Approx. 8.4 lbs./gal.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER PELIGRO**

{See {left} {back} {side} {right} {panel} {of label} for {additional} precautionary statements.}

**FIRST AID**

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**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.

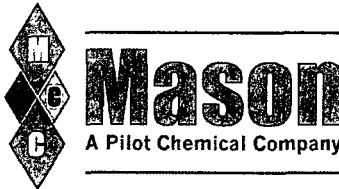
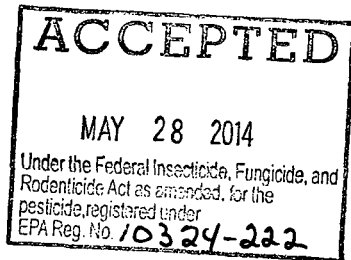
**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**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.

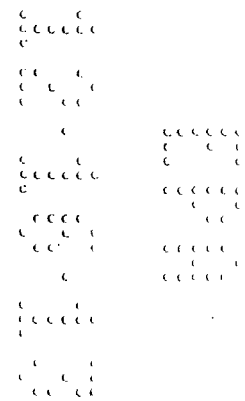
**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

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

{For [{chemical}{and}{or}{medical}{and}{or}{environmental}] emergencies, call {insert name and/or number of emergency contact} {hours of operation}{24 hours a day}{7 days a week}.



Net Contents:  
{Batch}{Lot} No {Manufacturing Date}:  
{Product of USA} {Made in the USA}



### MARKETING CLAIMS

*(Note to Reviewer: Marketing text is considered optional. Commans and the words "and" "or" can be added to phrases to make text grammatically correct.)*

*(Note to Reviewer: The use areas have been grouped for space purposes only; they can be used individually or grouped together in any order. In the case where one or more location/surface is chosen, an "and" "&" "or" may be used to link locations/surfaces.)*

A microbiocide for use in controlling sulfate-reducing bacteria and slime forming bacteria in *(insert location)*

- Oil well drilling, oil field processing applications, oil field water systems, oil and gas productions and transmission pipelines and systems
- Gas storage fields and equipment such as: steam-injection water holding tanks, flood water, injection water, holding pond water, disposal-well water, water holding tanks, fuel storage tanks and related refinery and oil field closed
- Industrial recirculating water handling systems

A highly effective microbiocide for use in controlling bacteria including slime forming bacteria and sulfate-reducing bacteria (SRB) and fungi (yeast and molds) and algae in *(insert location)*

- Air washers and industrial scrubbing systems
- Recirculating cooling and process water systems including those that contain reverse osmosis membranes and in service water and auxiliary systems
- Heat transfer systems and in wastewater systems including wastewater sludge and holding tanks
- Paper mills and paper mill process water systems, Water based coatings for paper and paperboard

### DIRECTIONS FOR USE

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

#### AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product is used only in industrial air washers and air washers systems which have mist-eliminating components.

This product is added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition is made intermittently *{{(Slug Dose)}}* or continuously. Badly fouled systems can be shock treated with this product. Under these conditions, blowdown is discontinued for up to 24 hours.

This product is used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes *{{(where approved by membrane manufacturer)}}* and associated distribution systems.

#### INTERMITTENT *{{(SLUG DOSE)}}* METHOD

**Initial Dose:** When the system is noticeably fouled, apply 42.67 to 85.33 fluid oz. *{{(50 to 100 ppm on an actives basis)}}* of this product per 1,000 gal. of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 17.07 to 42.67 fluid oz. *{{(20 to 50 ppm on an actives basis)}}* of this product per 1,000 gal. of water in the system weekly, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

#### CONTINUOUS FEED METHOD

**Initial Dose:** When the system is noticeably fouled apply 42.67 to 85.33 fluid oz. *{{(50 to 100 ppm on an actives basis)}}* of this product per 1,000 gal. of water in the system.

**Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 8.53 to 42.67 fluid oz. *{{(10 to 50 ppm on an actives basis)}}* of this product per 1,000 gal. of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

#### SERVICE WATER AND AUXILIARY SYSTEMS

This product is used at the same application rates, and in the same manner as described above. It is added to the system at a point that will allow for uniform mixing throughout the system.

**HEAT TRANSFER SYSTEMS**  
{Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers}

This product is used at the same application rates, and in the same manner as described above. It is added to the system at a point of uniform mixing such as a basin area, sump area or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

**INDUSTRIAL WASTEWATER SYSTEMS**  
{Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks}

This product is added to a wastewater system or sludge at a convenient point of uniform mixing such as digester. Add 1.67 to 8.33 gal. {(250 to 1250 ppm on an actives basis)} of this product per 1,000 gal. of wastewater or sludge.

**PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS**

This product is added to a paper making system at a point of uniform mixing such as the thin or thick stock chest, save-all tank, process tank or white water tank.

**Initial Dose:** When the system is noticeably contaminated, add 1.0 to 10.0 lbs. of this product per ton or 0.5 to 5.0 kg of this product per metric ton of pulp or paper {(dry basis)} as a continuous or slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

**Subsequent Dose:** When microbial control is evident, add 1.0 to 6.7 lbs. of this product per ton or 0.5 to 3.3 kg of this product per metric ton of pulp or paper {(dry basis)} as necessary to maintain control.

**WATER BASED COATING, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD**

**Note:** For use in non-food contact coating only.

Use from 0.33 to 2.0 lbs. of this product per 1,000 lbs. of dry powder or 0.33 to 2.0 kg of this product per metric ton of dry slurry to produce a concentration of 333.3 to 2000 ppm as product {(based on slurry solids)} in the mixed slurry.

**WATER FLOODS**

This product is added to a water flood system at a point of uniform mixing.

**Initial Treatment:** When the system is noticeably contaminated, add 50 to 2500 ppm {on an actives basis} of this product to the system {(0.33 to 16.67 gal. of this product per 1,000 gal. flood water)}. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 10 to 2500 ppm {on an actives basis} of this product {(0.07 to 16.67 gal. of this product per 1,000 gal. flood water)} to the system weekly, or as needed to maintain control.

**FRAC FLUIDS**

This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add this product to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

**Dose Range:** This product is added at a rate 50 to 2950 ppm on an actives basis {(3.33 to 196.67 gal. per 10,000 gal.)}, depending on the degree of bacterial fouling in the source water.

**DRILLING, COMPLETION, AND WORKOVER FLUIDS**

This product is added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

**Initial Treatment:** Add 25 to 500 ppm {on an actives basis} of this product {(0.7 to 14.0 gal. of this product per 100 barrels of fluid)} to a freshly prepared fluid depending on the severity of contamination.

**Maintenance Dose:** Maintain a concentration of 25 to 500 ppm {on an actives basis} of this product by adding 0.7 to 14.0 gal. of this product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

**PACKER FLUIDS**

This product is added to a packer fluid at a point of uniform mixing such as circulating holding tank. Add 25 to 300 ppm {on an actives basis} of this product {(0.7 to 8.4 gal. of this product per 100 barrels of fluid)} to a freshly prepared fluid depending on the severity of contamination. Seal treated packer fluid in the wall between the casing and production tube.

This product is added to an oil/gas production or transmission line via direct injection. The application is conducted to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute this product with an appropriate solvent immediately before use. The concentration in the solvent must not fall below an active concentration range of 500 to 5000 ppm based on the volume of water in the pipeline. Injections to the system are made weekly, or as needed to maintain control.

### GAS STORAGE WELLS AND SYSTEMS

Individual injection wells are treated with a sufficient quantity of this product to produce a concentration of 1666 to 16666 ppm {(250 to 2500 ppm on an active basis)} of this product when diluted by the water present in the formation. Injection takes place before gas is injected {(during the summer)}. Injections should be repeated yearly, or as needed to maintain control.

Individual drips should be treated with a sufficient quantity of this product to produce a concentration of 666 to 6666 ppm {(100 to 1000 ppm on an active basis)} of this product when diluted by the water present in the drip. Injections should be repeated yearly or as needed to maintain control.

### HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 50 to 2000 ppm {on an active basis} of this product {(0.33 to 13.33 gal. of this product per 1,000 gal. water)} depending on the water quality and length of time the equipment remains idle.

### PIPELINE PIGGING AND SCRAPING OPERATIONS

Add the product to a slug of water immediately following the scraper. Ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig. Sufficient product is added to produce a concentration of 0.33 to 3.3% {(0.33 to 3.3 gal. of this product per 100 gal. of water)}, depending on the length of the pipeline and the severity of biofouling.

## STORAGE AND DISPOSAL

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

**{PESTICIDE} STORAGE:** 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 HANDLING:

**{Note to Reviewer: One or more of the following paragraphs for Container Disposal will be selected, depending on packaging use/type.}**

*{For non-refillable containers equal to or less than 5 gal.}*

Non-refillable container. Do not reuse or refill this container. 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. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*{For non-refillable containers greater than 5 gal.}*

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 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. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*{Refillable Containers}*

Refillable container. Refill this container with this product 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. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

