

10324-183

1/5

JUL 25 2012

Ms Elizabeth Tannehill  
 Regulatory Manager  
 Mason Chemical Company  
 721 W Algonquin Rd  
 Arlington Heights, IL 60005

Subject **Maquat Deter Antimicrobial Agent**  
 EPA Registration No 10324-183  
 Applications Date April 24 2012  
 EPA Received Date May 2 2012

Dear Ms Tannehill

The following amendment submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA) Section 3(c)(7)(a) as amended is acceptable with comments

#### Proposed Amendments

- Revised per letter dated 4/11/12

#### Labeling Comments

Revise the "For Use on Refillable Containers with Commercial/Industrial Uses" as follows

Add the following statement to the section beginning "Cleaning the container before final disposal " and ending " is the responsibility of the refiller " Add "*When empty return to point of sale for refilling* "

Add the following statements to both the Container Handling/Residue Removal Instructions for all refillable containers except fixed tank containers as well as fixed tanks Revise to begin "Refillable container *Refill this container with pesticide only Do not reuse this container for any other purpose* To clean the container "

Add the following statement to both the Container Handling/Residue Removal Instructions for all refillable containers except fixed tank containers as well as fixed tanks

| SYMBOL  |   |    |   |     |     |     |     |     |     |
|---------|---|----|---|-----|-----|-----|-----|-----|-----|
|         | . | .. | . | ... | ... | ... | ... | ... | ... |
| SURNAME | . | .. | . | ... | ... | ... | ... | ... | ... |
| DATE    | . | .. | . | ... | ... | ... | ... | ... | ... |

tanks Revise to end as follows "Puncture or dispose of in a sanitary landfill or by other procedures approved by State and local authorities "

Add the following statements to the Container Handling/Residue Removal Instructions for fixed tanks Revise to include " application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds Drain for 10 seconds after the flow begins to drip Drain rinsate into application "

#### **General Comments**

A stamped copy of the acceptable 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 Drusilla Copeland at (703) 308-6224 or Velma Noble at (703) 308-6233

Sincerely



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

Stamped label



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

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

EPA Reg No 10324 183  
EPA Est No 10324 IL 1

# MAQUAT<sup>®</sup> DETER ANTIMICROBIAL AGENT

Net Contents Batch No

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING** Causes substantial but temporary eye injury and skin irritation Harmful if swallowed Do not get in eyes on skin or on clothing Wear face shield or safety glasses protective clothing and chemical resistant gloves Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet Remove and wash contaminated clothing before reuse

## 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

(Note to Reviewer This information has been verified per DOT regulations It is NOT required to be on the label but is being requested by a customer)

Transportation Information  
DOT Hazard Class Not determined  
DOT Proper Shipping Name Not determined

PELIGRO SI NO PUEDE LEER EN INGLES PREGUNTE A SU SUPERVISOR  
SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON  
ESTE PRODUCTO

DANGER IF YOU CANNOT READ ENGLISH ASK YOUR SUPERVISOR TO  
EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH  
THIS PRODUCT

(Manufacturing and/or Lot no Date)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JUL 25 2012  
Under the Federal Insecticide  
Fungicide and Rodenticide Act as  
amended for the pesticides  
registered under EPA Act No 10324-183

For Use to Impart Control of Mold and Mildew on (in) wallboard or drywall  
For Use to inhibit the growth of non health related organisms such as bacteria mold mildew and fungus that cause odor stains discoloration decay and deterioration of treated materials Distributors of wallboard or drywall containing this product may not make claims of antimicrobial activities other than the protection of the treated material against the growth of bacteria mold mildew and fungi which cause discoloration odor and degradation in or on the treated product See 40 CFR 152.25(a) for further guidance about treated article claims This product does not protect users or others against food borne or disease causing bacteria

Read ALL instructions before using this product All applicable use directions must followed precisely

(Product of USA) (Made in the USA)

## 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  
Alkyl (C<sub>12</sub> 68% C<sub>14</sub> 32%)

ethylbenzyl ammonium chloride

## INERT INGREDIENTS

## TOTAL

0 125 %  
0 125 %  
99 750 %  
100 000 %

## KEEP OUT OF REACH OF CHILDREN WARNING 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

## MARKETING CLAIMS

### Product Claims

#### Active mold inhibitor

This product is used to protect treated wallboard paper and core material from decay mold or mildew

This product inhibits the growth of mold and mildew and their odors when used as directed

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors

#### Treated Article Claims

Provides mold and mildew resistance

Provides extra protection against mold and mildew as compared to untreated wallboard

Provides at proper use level a score of 10 on ASTM D822 for the Federal Insecticide

Engine and Rodenticide Act as

**DIRECTIONS FOR USE**  
It is a violation of Federal law to use this product in a manner inconsistent with its labeling

If you need help in understanding any part of these instructions or have additional questions after reading these instructions **DO NOT APPLY THIS PRODUCT** until you have received the answers to all your questions. Contact (Mason Chemical Company or Distributor of this product) for clarification

## WALLBOARD PAPER/WALLBOARD APPLICATIONS

### MOLD INHIBITION IN WALLBOARD/DRYWALL

This product is used to inhibit bacteria fungi/mold and algae growth which causes discoloration odor and degradation in paper used in the manufacture of drywall or wallboard

The product is used to treat wallboard/drywall to provide inhibit or prevent the growth of microbial organisms

This product is used to treat paper materials via surface application using a size press coater (either during (on line) or after (off line) production of the sheet) or at the calendar stack. The product is dried by evaporation. Evaporation of the water liquid phase can be accomplished by ambient conditions (the solution is applied to a hot sheet) or using driers that facilitate the evaporation of water. Examples of common driers include hot rollers and infrared heaters

This product is used to inhibit fungal growth which causes discoloration odor and degradation in wallboard/drywall

### USE DIRECTIONS FOR PAPER APPLIED TO WALLBOARD OR DRYWALL

Application of this product is made at a point in the system where mixing action is good. Application is made at the size press or water box. This product is drip fed continuously from the drum and/or showered to the wet sheet or fed by suitable pumps

Apply at a rate of 0.5 to 20.0 pounds of this product per ton (dry basis) of pulp or paper produced (Alternate statement: Apply to the white water or stock at a rate of 0.5 lb - 20.0 lb per ton of dry fiber produced). For treatment of wet lap or sheet pulp, this product is applied to the dewatered pulp surfaces via applicator rolls or shower at 0.5 lb - 20.0 lb per ton of dry fiber produced. Application is made at the rate of 200 to 20,000 ppm of this product in the solution applied to the paper sheet

Use these methods to assure uniform coverage of surfaces to be protected and thoroughly wet all treated surfaces completely

### USE DIRECTIONS FOR TREATMENT OF WALLBOARD CORE MATERIAL

This product is added to the wet gypsum slurry at a mixing head box just prior to the flow of the slurry onto the conveyor to form the wallboard. Apply at a rate of 1 gallon per minute (8.33 pounds) for 1/2 inch drywall corresponding to slurry flow (1450 pounds slurry/minute)

This product is used during the mixing of the wallboard slurry. Maquat® Deter is pumped and blended with the water used to make the slurry just prior to its addition to the slurry mixer. Apply at a rate of 4.6 pounds of this product per 1,000 pounds of wallboard slurry

**(Note to reviewer)** The title and first statement of this section must appear on every label followed by the appropriate Storage and Disposal section. Brackets [ ] indicate that one option within the brackets MUST be used in the final label text. Each option within the brackets is enclosed in a set of parentheses ( ). 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 COMMERCIAL/INDUSTRIAL USES)**

**(Note)** For use on containers of 5 gallons or less

**PESTICIDE STORAGE** Store only in original container. Keep from freezing. If a leaky container must be contained within another, mark the outer container to identify the contents. 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/RESIDUE REMOVAL** Non-refillable container. Do not reuse empty container. Triple rinse as follows: Fill container 1/4 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 procedure two more times. Wrap container and put in trash or offer for recycling or reconditioning. If not available, puncture and dispose of in a sanitary landfill.

**SPILL OR LEAK PROCEDURES** Small spills may be mopped up or flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained and the material then moved into containers and disposed of by approved methods for hazardous wastes.

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

**(Note)** For use on containers greater than 5 gallons

**PESTICIDE STORAGE** Open dumping is prohibited. Store only in original container. Keep from freezing. If a leaky container must be contained within another, mark the outer container to identify the contents. 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** (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 cannot 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

**RESIDUE REMOVAL INSTRUCTIONS** To clean the container before final disposal empty the remaining contents from this container into [(application equipment) (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 then 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) (Agitate vigorously or recirculate water for 30 seconds)] Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Follow Pesticide Disposal instructions for rinsate disposal Repeat this procedure two more times

**(FOR USE ON REFILLABLE CONTAINERS WITH COMMERCIAL/INDUSTRIAL USES)**

*(Note For use on all refillable containers)*

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 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

*(For use on all refillable containers except fixed tank containers)*

**CONTAINER HANDLING/RESIDUE REMOVAL INSTRUCTIONS** Refillable container To clean the container before final disposal empty the remaining contents from this container into [(application equipment) (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 then 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) (Agitate vigorously or recirculate water for 30 seconds)] Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Follow Pesticide Disposal instructions for rinsate disposal

*(Note To be used on fixed tanks only)*

**CONTAINER HANDLING/RESIDUE REMOVAL INSTRUCTIONS** Refillable container To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank Drain rinsate into application equipment and dispose of according to Pesticide Disposal instructions Triple rinse container (or equivalent) promptly after emptying Continue to drain for 10 seconds after the flow ends Repeat this procedure two more times

Made in USA



ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JUL 25 2012

Under the Federal Insecticide  
Fungicide and Rodenticide Act as  
amended by the FIFRA Act of 1996  
EPA Reg. No. 6324/183