

10324-207

7/25/2012

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JUL 25 2012

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

Subject MAQUAT® 1412 40 10
EPA Registration No 10324 207
Application Date April 24 2012
EPA Received Date May 02 2012

Dear Ms Tannehill

The following amendments 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 EPA letter dated 4/11/12 to correct and add the appropriate Storage and Disposal language

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 Revise to end as follows ~~*Puncture or dispose of in a sanitary landfill or by other*~~

~~CONCURRENCES~~

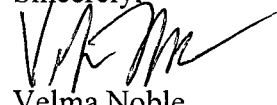
SYMBOL	7510 P								
SURNAME	[Signature]								
DATE	7/26/12								

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 Lorena Rivas at (703) 305 5027 or Velma Nobel 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 207
EPA Est No 10324 IL 1

MAQUAT® 1412-40:10

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 swallowed or absorbed through the skin Harmful if inhaled Avoid breathing spray mist Do not get into eyes on skin or on clothing Wash thoroughly with soap and water after handling and before eating drinking using tobacco or using the toilet Remove and wash contaminated clothing before reuse Wear goggles or face shield and rubber gloves and protective clothing when handling

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 use or store near heat or open flame
Do not mix with oxidizers anionic soaps and detergents

First Aid

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 Call a poison control center or doctor for treatment advice

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 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 occur **ACCEPTED COMMENTS** of EPA Letter Dated **JUL 25 2012**

Under the Federal Insecticide Fungicide and Rodenticide Act as amended by the EPA, Reg. No. 10324-207 registered under EPA Reg. No. 10324-207

A microbiocide for use in controlling sulfate reducing bacteria and slime forming bacteria in oil well drilling oil field processing applications oil field water systems oil and gas productions and transmission pipelines and systems and gas storage fields and equipment such as steam injection water holding tanks flood water injection water holding pond water disposal well 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 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 and heat transfer systems and in wastewater systems including wastewater sludge and holding tanks and in paper mills and paper mill process water systems and water based coatings for paper and paperboard

(Product of USA) (Made in the USA)

ACTIVE INGREDIENTS

Glutaraldehyde	40 0%
Alkyl (50% C ₁₄ 40% C ₁₂ 10% C ₁₆) dimethyl benzyl ammonium chloride	10 0%
INERT INGREDIENTS	50 0%
TOTAL	100 00%

Weight Approx lbs/gal

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

See left (back) (side) (right) panel (of label) (below) for additional precautionary statements and first aid statements

(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 8 Corrosive
DOT Proper Shipping Name Disinfectant Liquid Corrosive (Quaternary Ammonium Compound)
8 UN1903 PGIII

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)

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 shocked 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 12.8 to 25.6 fluid ounces (100 to 200 ppm) of this product per 1 000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose When microbial control is evident add 5.1 to 12.8 fluid ounces (100 to 200 ppm) of this product per 1 000 gallons 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 12.8 to 25.6 fluid ounces (100 to 200 ppm) of this product per 1 000 gallons of water in the system.

Subsequent Dose Maintain this treatment level by starting a continuous feed of 2.56 to 12.8 fluid ounces (20 to 100 ppm) of this product per 1 000 gallons 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.

HEART 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 the area sump area or other reservoir or collecting area from which the treated water is 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 0.5 to 2.5 gallons (500 to 2 500 ppm) of this product per 1 000 gallons 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 0.5 to 3.0 lbs of this product per ton or 0.15 to 1.5 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 0.3 to 2.0 lbs of this product per ton or 0.15 to 1.0 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 0.1 to 0.6 lbs of this product per 1 000 lbs of dry powder to produce a concentration of 100 to 600 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 100 to 5 000 ppm of this product to the system (0.1 to 5.0 gallons of this product per 1 000 gallons of water). Repeat until control is achieved.

Subsequent Dose When microbial control is evident add 20 to 5 000 ppm of this product (0.02 to 5.0 of this product per 1 000 gallons floodwater) to the system weekly or as needed to maintain control.

FRAC FLUIDS (Not for use in CA)

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 100 to 5 900 ppm (0.1 to 5.9 gallons per 10 000 gallons) 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 50 to 1 000 ppm of this product (0.21 to 4.2 gallons 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 50 to 1 000 ppm of this product by adding 0.21 to 4.2 gallons 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 50 to 600 ppm of this product (0.21 to 2.52 gallons 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.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

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

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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 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly or as needed to maintain control (Oil Production and Oil Transmission pipelines not for use in CA)

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells are treated with a sufficient quantity of this product to produce a concentration of 500 to 5,000 ppm 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 200 to 200ppm 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 100 to 4,000 ppm of this product (0.1 to 4.0 gallons of this product per 1,000 gallons 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 should be added to produce a concentration of 0.1 to 1.0% (0.1 to 1.0 gallon of this product per 100 gallons of water) depending on the length of the pipeline and the severity of biofouling.

(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. Triple rinse container, then fill with water and recap. Shake for 10 seconds. Drain for 10 seconds. Repeat procedure two more times. Wrap container and put in trash. Recycle or reconditioning if not available. Puncture and dispose in a sanitary landfill. **SPILL OR LEAK PROCEDURES** Small spills may be mopped up or flushed away with water. 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.)

Non-refillable 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 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 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: Do not reuse 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] (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.

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