

10324-133

7/25/2012

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JUL 25 2012

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

Subject **Maquat MC1416-40% CTP**
EPA Registration No 10324-133
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 "

CONCURRENCES

SYMBOL	▶	Add the following statement to both the Container Handling/Residue Removal							
SURNAME	▶	Instructions for <u>all refillable containers except fixed tank containers as well as fixed</u>							
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 "

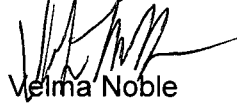
Add the following statements to the Container Handling/Residue Removal Instructions for fixed tanks Revise to include " application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Insert pressure rinsing nozzle in the side of the container and rinse at about 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 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 133
 EPA Est No 10324 IL 1

MAQUAT® MC1416-40% CTP
 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 Harmful if absorbed through the skin Do not get into eyes on skin or on clothing Wear goggles or face shield protective clothing and rubber gloves when handling Wash thoroughly with soap and water after handling and before eating drinking or using tobacco Remove contaminated clothing and wash clothing before reuse

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish aquatic invertebrates oysters and shrimp 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 soap anionic detergents or oxidizers
 Do not use or store near heat or open flame

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 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 advise 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 occur
 gastric lavage

ACCEPTED
 in EPA Letter Dated
NOV 25 2012

Under the Federal Insecticide Fungicide and Rodenticide Act as amended for the pesticide registered under EPA Reg No 10324-133

Controls bacteria and algae in industrial and/or commercial recirculating cooling water towers Auxiliary Water and Waste Water Systems and Water Cooling Systems Oil Field Water Flood/Salt Water Disposal Systems Retort Water Systems Controls bacteria and fungal slimes in pulp paper mills and paper manufacturing (Use for Retort Water Systems not allowed in California) (Product of USA) (Made in the USA)

ACTIVE INGREDIENTS

Alkyl (60% C₁₄ 30% C₁₆ 5% C₁₂ 5% C₁₈) dimethyl benzyl ammonium chloride 40.0%
 INERT INGREDIENTS 60.0%
 TOTAL 100.0%

Weight Approx 8 lb/gal

**KEEP OUT OF REACH OF CHILDREN
 DANGER**

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
 EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH
 THIS PRODUCT**

Manufacturing and/or Lot no Date

• 40% Concentration

This formulation (Maquat® MC1416 40% CTP) is for use in

- Industrial and/or commercial recirculating cooling water towers
- Once through water cooling systems
- Paper mills and paper mill process water systems
- Oil field water flood or salt water disposal system and fracturing fluids
- Oil field injection and waste water
- Gas production and transmission pipelines and systems
- Gas storage wells and systems
- Pipeline pigging and scraping operations
- Drilling completion and workover fluids systems
- Packer fluids
- Hydrotreating

**ACCEPTED
COMMENTS
with
EPA Letter Dated
JUL 25 2012**

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended for the pesticide registered under EPA Reg No. 10324-133

This product has been designed specifically for control of sulfate-reducing bacteria (SRB) that contribute to souring, the production of sulfide and abiotic corrosion in water cooling systems, paper mill process water systems, oil field systems, gas production and transmission pipelines and systems.

A microbicide 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 microbicide 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.

This product is efficient and stable in use dilution.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Please read entire label and use strictly in accordance with precautionary statements and directions.

Do not use water containing residues from use of this product to irrigate crops for food or feed.

(Note to Reviewer: This paragraph will be used only for Once Through Cooling Systems)
Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

INDUSTRIAL WATER TREATMENT

This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, industrial and commercial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS, EVAPORATIVE CONDENSERS, HEAT EXCHANGE WATER SYSTEMS, INFLUENT SYSTEMS
(Retort Water Systems not for use in California)

- Dosing Location** This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.
- Dosing Conditions** This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired. Tower bleed off valves must be closed to permit a retention time of 4 hours.
- Method Of Application**

a SLUG OR INTERMITTENT FEEDING

Initial Product Application When growth is evident, apply 6.4 to 12.8 fluid ounces (20 to 40 ppm) of this product per 1000 gallons of contained water. This dose may be repeated until control is achieved. When heavy growth present, system must be cleaned before treatment is begun.

Subsequent Application When microbial control is evident, apply 1.6 to 4.8 fluid ounces (5 to 15 ppm) of this product per 1000 gallons of contained water. The above directions must be followed once per week or as needed to maintain control.

b MODIFIED INTERMITTENT METHOD

Initial Dose When the system is noticeably fouled, apply 6.4 to 12.8 fluid ounces (20 to 40 ppm) per 1000 gallons of water in the system. Apply half of this initial dose when half of the water in the system has been lost by blowdown.

Subsequent Dose When control of microbial growth is evident, apply 1.6 to 4.8 fluid ounces (5 to 15 ppm) per 1000 gallons of water in the system. Apply half of this subsequent dose when half of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

(OR)

INTERMITTENT OR SLUG METHOD

When this treatment is required, add this product at the rate of 6.4 to 12.8 ounces per 1000 gallons of water already in the system or being added to the system for 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 1.6 to 4.8 ounces per 1000 gallons of water in the system.

c CONTINUOUS FEED METHOD

Initial Dose When the system is noticeably fouled, apply 6.4 fluid ounces (20 ppm on an active quaternary basis) per 1000 gallons of water in the system.

Subsequent Dose Maintain this treatment by starting a continuous feed of 1.6 fluid ounces (5 ppm on an active quaternary basis) per 1000 gallons of water lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

ONCE THROUGH FRESH AND SEA WATER COOLING SYSTEMS

- Dosing Location** This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.

F 7

2 Dosing Conditions This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired

3 Method Of Applications
a INTERMITTENT OR SLUG METHOD
Initial Dose When the system is noticeably fouled apply 0.32 to 3.2 fluid ounces (1 to 10 ppm on an active quaternary basis) per 1000 gallons of water based on system flow rates. The minimum treatment must be 6 to 24 hours. Repeat until control is achieved. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

Subsequent Dose When microbial control is evident add 0.16 to 1.6 fluid ounces (5 to 5 ppm on an active quaternary basis) per 1000 gallons of water based upon system flow rates on a as needed basis to maintain control. Frequency of feed must be tied to an in plant monitoring program for macro fouling growth. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

TO DEACTIVATE Use bentonite clay at the minimum ratio of 5 ppm clay to 1 ppm product. Deactivation must occur prior to discharge of the NPDES outfall. Do not apply this product more than 4 times a year.

(OR)

ONCE THROUGH FRESH AND SEA WATER COOLING SYSTEM

1 Dosing location This product is to be applied at a point in the system where it will be uniformly mixed such as at the sump.

2 Dosing conditions This product must be applied when the system is noticeably fouled or after cleaning systems where efficiency is already impaired.

3 Method of applications

- a Wear safety glasses rubber gloves and impervious apron
- b To reduce foaming mix 10 parts of water to 1 part of the product
- c Add product directly from drum or add the product to a container and mix uniformly
- d Use 0.32 to 3.2 fluid ounces (1 to 10 ppm) on an active quaternary basis per 1000 gallons
- e Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ratio to be used is 5 ppm of clay to 5 ppm of product.
- f Do not use product more than 4 times per year
- g Treatment time cannot exceed 120 hours/application
- h Avoid oxidizers and reducing agents. Product is cationic and must not be mixed with soap or anionic surfactants.

TO DEACTIVATE Use bentonite clay at the minimum ratio of 5 ppm clay to 1 ppm product. Deactivation must occur prior to discharge of the NPDES outfall. Do not apply this product more than 4 times a year.

OIL FIELD & GAS PRODUCTION TREATMENT
Specific treatment requirements vary among oil and/or gas field sites and subsystem components. The Primary point of treatment will vary among oil and/or gas field operations depending on the site problems. Water flood treatment methods and equipment. This product must be added where it will disperse rapidly and uniformly to the desired area of treatment.
Additions of this product must be made with the proper type of metering pump equipment suction (low pressure) side of pumping equipment or similar device. This

product must be added to the system by slug continuous or on an intermittent basis depending on the degree of system fouling.

OR
Specific treatment requirements vary among oil and/or gas field sites and subsystem components. Oil field fluids and subsystems most commonly requiring microbial contamination control are raw water sources, separators, ballast storage and mixing tanks, screens, surface injection equipment, production equipment (such as injection and production piping, casing completion and valving) and the formation itself. The primary point of treatment will vary among oil and/or gas field operations depending on the site problems. Water flood treatment methods and equipment. This product must be added where it will disperse rapidly and uniformly to the desired area of treatment.

Additions of this product must be made with the proper type of metering pump equipment suction (low pressure) side of pumping equipment or similar device. This product can be added to the system by slug continuous or on an intermittent basis depending on the degree of system fouling.

OIL FIELD WATER FLOOD OR SALT WATER DISPOSAL SYSTEMS AND FRACTURING FLUIDS

1 For the control of slime forming and sulfate reducing bacteria in oil field water flood or salt water disposal systems add 5 - 10 ppm (active) of this product (1.2 - 2.36 gallons per 3,000 barrels of water) continuously. Levels for effective control vary depending on conditions at the site.

2 For intermittent use, dose at rate of 5 - 20 ppm (active) of this product (1.2 - 4.72 gallons per 3,000 barrels of water) for 4 to 8 hours per day, one to four times a week as needed to maintain control.

3 For treatment of flow back return water (Post Hydraulic Fracturing) - Dose at a rate of 5.20 ppm active of this product (1.2 - 4.72 gallons of this product per 3,000 barrels of water) for 4 to 8 hours per day, one to four times a week as needed to maintain control.

OILFIELD INJECTION AND WASTE WATER

This product must be added to the water handling system at a point of uniform mixing such as the area of addition of make up water to the holding tank.

1 CONTINUOUS INJECTION Add this product at 30 ppm active (9.6 fluid ounces per 1,000 gallons of water) when system is noticeably fouled. When microbial control is evident add this product at 15 ppm active (4.8 fluid ounces per 1,000 gallons of water) to maintain control.

2 BATCH TREATMENT Add this product at 180 ppm active (57.6 fluid ounces per 1,000 gallons of water) over a period of 4 - 6 hours one or more times per week when the system is noticeably fouled. When microbial control is evident add product at 90 ppm active (28.8 fluid ounces per 1,000 gallons of water) over a period of 4 - 6 hours one or more times per week.

OR
For use in oil field and/or petrochemical water subsurface injection systems of secondary and/or tertiary oil recovery systems to reduce the number of anaerobic bacteria aerobic bacteria sulfate reducing bacteria.

1 DOSING LOCATION (site of use) This product is to be applied at a point in the recovery system where it will be uniformly mixed such as at the screens, storage tanks and other mixing device locations.

2 DOSING CONDITIONS This product should be applied when the system is in jeopardy of being affected. Badly fouled systems must be cleaned before treatment is begun.

3 EQUIPMENT USED Use the injection pump to apply the product according to conditions found at the site as needed to maintain control

4 USE LIMITATIONS Dependent upon pH temperature and salt content adjust according to conditions found at the site as needed to maintain control

5 DOSAGE APPLICATIONS

a SLUG METHOD

Initial Dose When the system is noticeably fouled apply 19.2 ounces (60 ppm active ingredient) of this product per 1000 gallons of water in the system Apply for 3 to 8 hours daily until control is achieved

Subsequent Dose When microbial control is evident add 9.6 ounces (30 ppm active ingredient) of this product per 1000 gallons of water in the system daily or as needed to maintain control

b INTERMITTENT DOSAGE

Initial Dose When the system is noticeably fouled apply 19.2 ounces (60 ppm active ingredient) of this product per 1000 gallons of water in the system Apply for 3 to 8 hours daily until control is achieved

Maintenance Dose When control of microbial growth is evident apply 9.6 gallons (30 ppm active ingredient) of this product per 1000 gallons of water in the system daily or as needed to maintain control

c CONTINUOUS FEED METHOD

Initial Dose When the system is noticeably fouled apply 4.8 ounces (15 ppm active ingredient) of this product per 1000 gallons of water in the system
Subsequent Dose Maintain this treatment by starting a continuous feed of 4.8 ounces (15 ppm active ingredient) of this product per 1000 gallons of water daily or as needed to maintain control

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

For the control of sulfate reducing bacteria and slime forming bacteria this product must be added at a point in the production or transmission pipeline via direct injection where uniform The application must be conducted to ensure maximum distribution of the product through the internal surface of the pipeline by adding an amount of biocide which eventually comes out the other end of the pipeline Criteria for success of the treatment will be reduction in bacterial count and/or corrosion rates To facilitate applications it is desirable to dilute the 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 must be weekly or as needed to maintain control

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells must be treated with a sufficient quantity of this product to produce concentration of 65 1000 ppm (on an active quaternary basis) when diluted by the water present in the formation Injection should take place before gas is injected (during the summer) Injections must be repeated yearly or as needed to maintain control

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add this product to a slug of water immediately following the scraper (ideally in a pig volume can be kept to a minimum and contained between the scraper and the pig) Sufficient product is added to produce an effective concentration of 75 1500 ppm on an active quaternary basis (2.4 to 16 ounces per 100 gallons of water) depending on the length of the pipeline and the severity of the biofouling

DRILLING COMPLETION AND WORKOVER FLUIDS SYSTEMS

This product is to be applied to these fluid systems at a point of uniform mixing such as a circulating holding tank and other mixing device locations

Initial treatment Add 65 – 1000 ppm (on an active quaternary basis) of this product (0.5 to 7.9 gallons of this product per 100 barrels) to a freshly prepared fluid Levels for effective control will vary depending on conditions at the site and the severity of the contamination

Maintenance dosage Add 65 – 1000 ppm (on an active quaternary basis) of this product (0.5 to 7.9 gallons of this product per 100 barrels) to the fluid Levels for effective control will vary depending on conditions at the site and the severity of the contamination

PACKER FLUIDS

This product is to be added to the packer fluid at a point of uniform mixing such as a circulating holding tank and other mixing device locations Add 0.5 to 7.9 gallons (65 – 1000 ppm active quaternary basis) of this product per 100 barrels of packer fluid This product is applied to a freshly prepared fluid Levels for effective control will vary depending on conditions at the site and the severity of the contamination Seal the treated packer fluid in the wall between the casing and the production tube

HYDROTESTING

Treat water in the hydrotest pipelines or vessels with 65 – 1000 ppm on an active quaternary basis (20.6 to 320 ounces per 1000 gallons of water) of this product depending on the water quality and length of time the equipment will remain idle

AUXILIARY SERVICE WATER AND WASTE WATER SYSTEM

This product is effective for the control of odor forming and slime forming bacterial fungi and algae in auxiliary service water systems such as fire protection systems and pump or screen bays water waste systems such as storage tanks storage piles associated piping setting ponds or lagoons transport spillways or canals and disposed wells

Add 5 – 180 ppm (active) of this product (1.2 – 42.525 gallons per 3000 barrels of water) continuously This product must be added to the system at a point of uniform mixing by slug or intermittent feed or by spraying onto a waste pile The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination Additions to water systems must be made during the pumping operation and as close to the pump as possible to ensure adequate mixing

PULP AND PAPER MILLS

SLIMICIDE APPLICATIONS

This product can be used as a slimicide in the manufacture of paper and paperboard that contacts food depending on the type of stock quality of raw water complexity of the system and degree of contamination Apply this product intermittently or continuously depending on mill conditions to the paper making system at a point of uniform mixing such as a the beaters thin or thick stock chests broke chest pun save all tank process tank or whitewater tank

Initial Dose When system is noticeably contaminated add 1.0 to 200 pounds of this product per 100 000 gallons of whitewater to be treated (1.0 to 200 ppm of product) as a continuous or slug dose Repeat until control is achieved Heavily fouled systems must be boiled out prior to initial treatment

Subsequent Dose When microbial control is evident add 1.0 to 100 pounds of this product per 100 000 gallons of whitewater to be treated (1.0 to 100 ppm of product) as necessary to maintain control

CONTROL OF BACTERIAL, FUNGI/MOLD AND ALGAE ON PULP PAPERBOARD

This product is used to inhibit bacteria fungi/mold and algae growth which causes discoloration order and degradation in paper paperboard or wet lap Application of this

ACCEPTED
AGREEMENTS
the Contract Dated
75 1500 ppm
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for the Federal Insect
Production
FLYING, such as
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product must be made at a point in the system where mixing action is good Application can also be made at the size press or water box Apply at a rate of 0.5 to 100 pound of this product per ton (dry basis) of pulp or paperboard produced

Dosing Application This product may be drip fed continuously from the drum diluted and showered to the wet sheet or fed by suitable pumps

For inhibition of bacteria fung/mold and algae growth which causes discoloration odor and degradation on wet lap or sheet pulp this product must be applied to the dewatered pulp surface via applicator rolls or showers Application can also be made at the size press or water box

(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 parenthesis () 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 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 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



Optional - for use on residential use swimming pool and spa products]



ACCEPTED
with COMMENTS
in EPA Letter Dated
JUL 25 2021

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

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6324-123