



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

EPA Reg. Number:

10324-231

Date of Issuance:

8/20/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Maguard 15A

Name and Address of Registrant (include ZIP Code):

Ryan J. Connair
 Mason Chemical Company
 2744 E. Kemper Road
 Cincinnati, OH 45241

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 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 is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Zeno Bain, Product Manager 33
 Regulatory Management Branch I
 Antimicrobials Division (7510P)
 Office of Pesticide Programs

Date:

8/20/19

You are required to comply with the data requirements described in the DCI Order identified below:

- a. Hydrogen Peroxide GDCI-000595-1127
- b. Ethaneperoxoic Acid (PAA) GDCI-063201-1125

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCIs listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 10324-231.”
3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 07/16/2019

If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at northern.terria@epa.gov.

Enclosure: Accepted label

MAGUARD® 15A

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

Cleaner • {Food Contact} Sanitizer • Laundry Sanitizer • Laundry Disinfectant

ACTIVE INGREDIENTS:

Peracetic acid..... 16.00%

Hydrogen peroxide..... 10.50%

OTHER INGREDIENTS:..... 73.50%

TOTAL:..... 100.0%

ACCEPTED

Aug 20, 2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10324-231

KEEP OUT OF REACH OF CHILDREN
DANGER {PELIGRO}
STRONG OXIDIZING AGENT

{See [{left} {back} {side} {right} {insert} {panel} {of label}] {below} for {additional} precautionary statements.}

FIRST AID

In case of emergency, call the poison control center at 1-800-222-1222 or a 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 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.

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.

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}.}

{For non-emergency information on this product, [call {(insert name and/or number of non-emergency contact)} {hours of operation} {24 hours a day} {7 days a week}] {or} {contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu}.}



(Note to Reviewer: This referral statement may be organized in any order to be grammatically correct.)

{{Consult} {See} {additional} {sheet} {insert} {inside} {outer container} {Product Information} {Bulletin} {for} {other} {directions for use} {and} {information} {claims} {organisms} {applications}.}

Net Contents:

{{[Batch] [Lot]} No} {Manufacturing Date}:
 {Product of USA} {Made in the USA}

MAGUARD® 15A

ORGANISM LIST

(Note to Reviewer: The list of organisms can be formatted into paragraph form using a comma to separate organisms.)

FOOD CONTACT SURFACE SANITIZING PERFORMANCE: This product is an effective food contact sanitizer in 1 minute at 0.45 oz. per 5 gal. of 200 ppm hard water {(123 ppm active)} on hard, non-porous surfaces:

Escherichia coli
Salmonella enterica
Staphylococcus aureus

LAUNDRY SANITIZING PERFORMANCE: This product is an effective laundry sanitizer against the following organisms in 6 minutes at 3.5 oz. per 100 lbs. of dry laundry:

Klebsiella pneumoniae
Pseudomonas aeruginosa
Staphylococcus aureus

LAUNDRY DISINFECTION PERFORMANCE: This product is an effective laundry disinfectant against the following organisms in 15 minutes at 14.5 oz. per 100 lbs. of dry laundry:

Klebsiella pneumoniae
Pseudomonas aeruginosa
Staphylococcus aureus

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(Note to Reviewer: The Table of Contents will not be on any label. This is for our customers' reference only.)

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MARKETING CLAIMS

(Note to Reviewer: Marketing text is considered optional. Commas and the words “and” “or” can be added to phrases to make text grammatically correct.)

(Note to Reviewer: In the case where a location, surface, or marketing claim is not registered in the State of California the statement “(Not for use in CA.)” may be added to the relevant text).

For *[[institutional] {and} {industrial}]* sanitizing of previously cleaned hard non-porous food contact surfaces in:

- Meat and poultry processing / packaging plants
- Milk and dairy products *[[processing] {and} {packing}]* plants
- Seafood and produce *[[processing] {and} {packing}]* plants
- Food *[[processing] {and} {packing}]* plants
- Egg *[[processing] {and} {packing}]* equipment surfaces
- Eating establishments

For *[[institutional] {and} {industrial}]* sanitizing of previously cleaned hard, non-porous food contact surfaces such as:

- Eating, drinking, and food preparation utensils
- Countertops and food preparation surfaces
- Tableware

For use in circulation cleaning and *[[institutional] {and} {industrial}]* sanitizing of previously cleaned hard, non-porous food contact surfaces and equipment such as food preparation surfaces, pipelines, tanks, vats, fillers, evaporators, pasteurizers in:

- Dairies, wineries, breweries and beverage plants
- Meat and poultry processing / packaging plants
- Milk and dairy products *[[processing] {and} {packing}]* plants
- Seafood and produce *[[processing] {and} {packing}]* plants
- Food *[[processing] {and} {packing}]* plants
- Egg *[[processing] {and} {packing}]* equipment surfaces
- Eating establishments
- Agriculture and horticulture industry
- Oil and gas
- Water and sewage treatment facilities

PUBLIC HEALTH MARKETING CLAIMS

(Note to Reviewer: The following marketing claims may be used with the prefix “This product {is}”.)

- For organic production, this product may be used in rinse or wash water on products labeled as
- organic in food processing facilities on commodities that will be further processed.
- For use as a sanitizer on food contact surfaces in contact with products labeled as organic.
- For use as a coarse spray for surfaces to be sanitized.
- Can be used with Biofoam foaming agents. For food-contact applications the foaming agent must be used in compliance with the applicable regulations under the Federal Food, Drug, and Cosmetic Act.
- Can be used with Bioclean non-foaming agent as an antimicrobial container rinse and for hard, non-porous surface sanitization.
- For sanitizing surfaces such as packinghouse conveyers and harvesting equipment and containers.
- For sanitization of shell eggs.
- For porous and non-porous hard surface sterilization.
- For sanitization of animal and poultry premises, trucks, coops, and crates.
- For use in commercial and institutional/industrial laundry operations for disinfection and sanitization.

NON-PUBLIC HEALTH MARKETING CLAIMS

(Note to Reviewer: The following marketing claims may be used with the prefix “This product {is}”.)

- Can be used for reducing non-public health microorganisms in processing waters for fruits and vegetables.
- For use as a *[[dip] {spray wash} {or} {fog}]* to control the growth of non-pathogenic microorganisms that may cause decay and/or spoilage on raw, post-harvest, and fresh-cut fruits and vegetables.
- For use in process water that contacts raw, post-harvest, fresh-cut, and processed fruits and vegetables to control growth of non-pathogenic microorganisms.
- For use as a microbial control in wastewater and sewage effluent in public and private treatment facilities.
- For use in agricultural water and irrigation systems.
- For use in oilfield and gas-field well operations.
- May be used for the non-pesticidal purpose of cleaning room surfaces by fogging.

PACKAGING CLAIMS

- Concentrate{d}.
- Convenient trigger spray. (**Note to Reviewer:** *To be used on applicable container*)
- {Dilution System trade name}
- Easy to use.
- Economy size. (**Note to Reviewer:** *To be used on applicable container*)
- Fewer products - no need for separate deodorizer.
- Is for use in [{automated dilution systems} {automated} {dilution systems} {Dilution System trade name}].
- Makes *(insert value)* [{gallons} {quarts} {containers}]
- Squeeze {measure} and pour
- This [{container} {bottle}] is made of {at least} (x) % post-consumer recycled plastic.

(Note to Reviewer (General Considerations): *Numbered instructions will be used if label space permits, otherwise they may appear in paragraph format. The list of organisms can be formatted into paragraph form using a comma to separate organisms. Unit abbreviations can be spelled out. When choosing optional text, appropriate punctuation can be inserted or deleted. Equivalent use dilution ratios may be substituted within the directions.*)



DIRECTIONS FOR USE

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

Note: May cause bleaching of treated surfaces

Note: Before using this product to sanitize metal surfaces, it is recommended that the diluted solution be tested on a small area to determine compatibility.

In all applications always prepare new solution daily to ensure effectiveness. Do not re-use solutions. Dispose of unused solutions responsibly.

{Please read entire label and use strictly in accordance with precautionary statements and directions.}

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your state, consult the agency in your state responsible for pesticide regulation.

(Note to Reviewer: *If Agricultural Directions for use are NOT used on the final label, this box is not required.*)

AGRICULTURAL USE REQUIREMENTS: Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR §170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers. The requirements in this [{section} {box}] only apply to uses of this product that are covered by the Worker Protection Standard.

For enclosed environments:

There is a restricted entry of 1 hour for this product when applied via fogging or spraying to growing plants, surfaces, equipment, structures and non-porous surfaces in enclosed glasshouses and greenhouses. PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls worn over long-sleeved shirt and pants, waterproof gloves and shoes plus socks.

There is a restricted entry of 0 hours for pre-plant dip, seed treatment, soil drench, mop, sponge, dip, soak, rinse or other non-spraying application methods when used in enclosed environments such as glasshouses and greenhouses.

For field applications:

Keep unprotected persons out of treated areas until sprays have dried.

(Note to Reviewer: *Directions for use must include the Non-Agricultural Use Requirement instructions when Agricultural uses appear on the label.*)

NON-AGRICULTURAL USE REQUIREMENTS: The requirements in this [{section} {box}] apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR §170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of the treated area until sprays have dried.

(Note to Reviewer: Appropriate dilution rates may be substituted as long as they are equivalent dilution rates.)

{DILUTION TABLE: (Note to Reviewer: This DILUTION TABLE is optional.)}

Use	Dilution	Contact Time
For Food Contact Surface Sanitizing claims	0.45 oz./5 gal. water	1 minute
For Foam Sanitization	0.3 oz./4.5 gal. water	1 minute
For Laundry Sanitization	14.5 oz./100 lbs. dry laundry	6 minutes
For Laundry Sanitization	14.5 oz./100 lbs. dry laundry	15 minutes

SANITIZING NON-POROUS FOOD CONTACT SURFACES

{An effective sanitizer against *Staphylococcus aureus*, *Escherichia coli*, and *Salmonella enterica*.}

Clean equipment immediately after use:

1. Remove gross particulate matter with a warm water flush.
2. Wash equipment with detergent or cleaning solution.
3. Rinse equipment with potable water.
4. Prepare use solution by adding 0.45 - 1.85 oz. of this product per 5 gal. of water containing up to 200 ppm hardness as CaCO₃. This provides 123 - 500 ppm peracetic acid and 82 - 333 ppm hydrogen peroxide.
5. Fill closed systems with diluted sanitizer solution and allow a contact time of 1 minute.
6. For open or not completely closed systems, use a coarse spray, mop/wipe or flood technique to apply the solution to the surface and allow a contact time of 1 minute.
7. Allow surfaces to drain thoroughly before resuming operation. Allow to air dry for a minimum of 2 minutes.

NON-PATHOGENIC SPOILAGE ORGANISMS

This product is effective against non-pathogenic spoilage organisms and yeasts.

Clean equipment immediately after use:

1. Remove gross particulate matter with warm water flush.
2. Wash equipment with detergent or cleaning solution.
3. Rinse equipment with potable water.
4. Prepare use solution by adding 0.45 - 1.85 oz. of this product to 5 gal. of water. {This provides 123 - 500 ppm peracetic acid and 82 - 333 ppm of hydrogen peroxide.}
5. Fill closed systems with diluted sanitizer solution for a contact time of 1 minute.
6. For open or not completely closed systems, use a coarse spray, mop/wipe or flood technique to apply the solution to the surface for a contact time of at least 1 minute. Allow surfaces to drain thoroughly before resuming operation.

SANITIZATION OF CONVEYORS, PEELERS, SLICERS, AND SAWS FOR MEAT, POULTRY, SEAFOOD, FRUITS, AND VEGETABLES

{An effective sanitizer against *Staphylococcus aureus*, *Escherichia coli*, and *Salmonella enterica*.}

For use in the static or continuous washing, rinsing, and sanitizing of conveyor equipment, peelers, collators, slicers, saws, etc.

1. Remove all products from equipment if during treatment the sanitizer will directly contact the items.
2. Prepare use solution by adding 0.45 - 1.85 oz. to 5 gal. of water containing up to 200 ppm hardness as CaCO₃. {This provides 123 - 500 ppm peracetic acid and 82 - 333 ppm hydrogen peroxide.}
3. Apply sanitizer solution to the return portion of the conveyor or to the equipment by using a coarse spray or other means of wetting the surfaces. Allow contact for at least 1 minute or for a contact time as specified by the local governing sanitizing code. Control the volume of solution so as to permit maximum drainage and to prevent puddles. The conveyor may still be damp when food contact occurs.
4. Allow equipment to drain adequately before reusing and allow to air dry for a minimum of 2 minutes.

SURFACES TREATED TO CONTROL THE SPREAD OF CITRUS CANKER

Use this product to control the spread of citrus canker between inanimate surfaces and inanimate surfaces to plants. This product is for sanitizing surfaces such as packing house conveyers, harvesting equipment, and containers. This product is not for treatment of infected plants.

EATING ESTABLISHMENT SANITIZING

{An effective sanitizer against *Staphylococcus aureus*, *Escherichia coli*, and *Salmonella enterica*.}

1. Scrape/prewash plates, utensils, cups, glasses, etc.
2. Wash all items with a detergent.
3. Rinse thoroughly with potable water
4. Prepare use solution by adding 0.45 - 1.85 oz. to 5 gal. of water containing up to 200 ppm hardness as CaCO₃. {This provides 123 - 500 ppm peracetic acid and 82 - 333 ppm hydrogen peroxide.}
5. Immerse all items for at least 1 minute, or longer if specified by the local governing sanitizing code.
6. Place all sanitized items on rack or drain board to drain adequately. Air dry if items will not be reused immediately. Allow to air dry for a minimum of 2 minutes.

SANITIZING TABLEWARE

For sanitizing tableware in low to ambient temperature washing machines, inject this product into the final rinse water at a rate of 0.45 - 1.85 oz. per 5 gal. of water containing up to 200 ppm hardness as CaCO₃. {This provides 123 - 500 ppm peracetic acid and 82 - 333 ppm hydrogen peroxide.} Immerse all items for at least 1 minute, or longer if specified by the local governing sanitizing code. Allow to air dry for a minimum of 2 minutes.

SANITIZING MILKING EQUIPMENT BY CLUSTER DIPPING

1. Clean the external surfaces of the milking systems after each use.
2. Rinse and sanitize all system components using a solution prepared by mixing 0.41 - 0.94 oz. of this product per 5 gal. of potable water. Ensure solution fills clusters.
3. Allow surfaces to remain visibly wet for at least 1 minute. Shake off well after dipping and allow to air dry. Rinsing is not required.

SANITIZATION OF EGG SHELLS INTENDED FOR FOOD

1. Prepare use solution by adding 0.45 - 1.85 oz. of this product to 5 gal. of potable water containing up to 200 ppm hardness as CaCO₃. {This provides 123 - 500 ppm peracetic acid and 82 - 333 ppm hydrogen peroxide.}
2. Apply use solution as eggs are gathered or prior to setting, using a coarse spray so as to lightly wet all egg shell surfaces.
3. Allow contact for at least 1 minute, or longer if specified by the local governing sanitizing code.
4. Allow to drain dry. Allow to air dry for a minimum of 2 minutes.

BIOFOULING CONTROL IN PULP, PAPER AND PAPERBOARD MILL AND WATER SYSTEMS

For use in the manufacture of paper and paperboard intended for food and non-food contact. This product can be used to control bacterial, fungal, and yeast growth in pulp, paper, and paperboard or non-woven process water and influent systems.

Influent Water Systems: This product should be fed continuously to incoming fresh water streams for non-potable use only, at dosages ranging from 1.5 - 27 oz of this product per 1000 gal. of raw or process water {(2.0 - 36 ppm peracetic acid)}. Adjust dosage as necessary to maintain microbial control.

Severely fouled systems should be cleaned before initial treatment with this product. Refer to the plant operations manual for directions for cleaning severely fouled systems. The product should be added directly to the system and not mixed with any other chemicals or additives. Other chemicals can be added separately. Contamination with other chemicals could result in product decomposition.

Add this product at a point in the system where it can be mixed uniformly with the pulp, e.g., the beater, hydro-pulper, fan pump, broke pump, or similar.

Intermittent feed method: Apply 7 - 16 oz. of this product per ton {(dry basis)} of pulp or paper produced for two to three hours every eight-hour shift. Maintain a concentration that provides adequate control. Daily rate could change depending on the severity of the biofouling.

Continuous feed method: Initially, use the intermittent feed method to achieve control. When control is accomplished, apply this product continuously at the rate determined adequate for intermittent control. Then reduce the rate of addition to the lowest level sufficient to maintain control. Depending on the severity of the biofouling, control usually can be maintained using a continuous rate of 2.6 - 16 oz. of this product per ton (dry basis) of pulp or paper produced on a continuous basis. {This will provide 15 - 90 ppm of peracetic acid and 10 - 60 ppm of hydrogen peroxide.}

Mill Process Waters:

Intermittent Feed: Apply 7 - 16 oz. of this product per ton (dry basis) of pulp or paper produced for 2 - 3 hours every 8-hour shift. Maintain a concentration that provides adequate control. The daily rate may change depending on the severity of the biofouling.

Continuous Feed: Initially, use the intermittent feed method to achieve control. When control is accomplished, apply this product continuously at the rate determined adequate for intermittent control. Then reduce the rate of addition to the lowest level sufficient to maintain control. Depending on the severity of the biofouling, control usually can be maintained using a continuous rate of 2.6 - 16 oz. of this product solution per ton (dry basis) of pulp or paper produced on a continuous basis. {This will provide 15 - 90 ppm of peracetic acid and 10 - 60 ppm of hydrogen peroxide.}

Shock (Slug) Dose: This product may be used to shock dose systems requiring a high level of biofouling control. Use rates ranging from 13.5 - 108 oz. of this product per ton (dry basis) of pulp or paper produced may be necessary. {This dosage is equivalent to 75 - 600 ppm peracetic acid.} Repeat the shock dose every 1 - 3 hours as necessary until biofouling control is evident. Thereafter, revert to continuous or intermittent feed methods.

CONTROL OF BACTERIA AND FUNGI IN DISPERSED PIGMENTS

This product can be used to control bacteria and fungi in the manufacture and storage of dispersed pigments used in paint and paper production such as kaolin clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, and magnesium silicate.

Apply 2.6 - 16 oz. of this product to each 1,000 lb. of fluid. {This will provide 200 - 1200 ppm of this product (30 - 180 ppm of peracetic acid and 20 - 120 ppm of hydrogen peroxide).}

CONTROL OF SLIME FORMING BACTERIA AND BIOFOULING IN RECIRCULATING COOLING WATER SYSTEMS (COOLING TOWERS, EVAPORATIVE CONDENSERS, AIR WASHERS), NON-FOOD CONTACT WATER SYSTEMS, AND ORNAMENTAL OR RECREATION WATER FEATURES.

This product is for use in treating raw (make-up) and process waters; closed and opened loop systems such as heat exchanges, wet scrubbers, cooling towers, evaporative condensers; and recirculating industrial process waters such as pulp and paper mill water systems.

Severely fouled systems should be cleaned before adding this product. Refer to the system operation manual for directions to clean severely fouled systems. The product should be added directly to the system and not mixed with any other chemicals or additives. Other chemicals should be added separately.

Never add this product into any feeding device, such as shot feeders, filter housings, by-pass feeders, or miscellaneous piping of any kind, because dangerous acute decomposition can occur. Discontinue the use of chlorine or bromine products prior to using this product. Contamination with other chemicals could result in product decomposition.

Add this product only to water at a point in the system where uniform mixing and even distribution will occur.

Intermittent Feed Method: When the system is noticeably fouled, apply 10 - 16 oz. of this product per 1000 gal. of water in the system. Repeat until control is achieved. When microbial control is evident, add 7 - 16 oz. of the solution per 1000 gal. of water in the system every day, or as needed, to maintain control. The daily dose rate may vary depending upon the severity of the biofouling.

Continuous Feed Method: When the system is noticeably fouled, apply 2.6 - 16 oz. of this product per 1000 gal. of water in the system. When microbial control is achieved, start adding this product continuously at a rate of 14 oz. per 1000 gal. of water {(17 ppm peracetic acid and 12 ppm of hydrogen peroxide)}. Then reduce the rate of addition to a level sufficient to maintain control. The dose rate may have to be adjusted to account for losses due to blowdown and evaporation. Add 1.4 oz. of this product for every 100 gal. of make-up water.

Shock (Slug) Dose: For moderately to severely fouled systems, add 5 - 20 oz. of this product per 1000 gal. of process water {(7 - 27 ppm peracetic acid)}. Repeat as necessary until microbiological control is evident.

Air Washers: This product may be used to control bacteria and biofouling in industrial air washing/scrubbing systems. The air washer must have operational and effective mist elimination systems. Prior to use of this product, heavily fouled systems must be pre-cleaned using an appropriate cleaner. Continuous dosing methods will require 2 - 7 ppm of peracetic acid and intermittent dosing methods require 7 - 14 ppm of peracetic acid depending on the type of system and the level of microbial control desired.

CONTROL OF BACTERIA AND FUNGI IN COATING PRESERVATION

Do not use for coatings preservation applications involving direct or indirect food contact. This product can be used as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings.

Add 2.6 - 16 oz. of this product to each 1,000 lbs. of water. {This provides 200 - 1200 ppm of product or 30 - 180 ppm peracetic acid and 20 - 120 ppm of hydrogen peroxide}.

FOAM SANITIZATION

This product can be applied as a foam for sanitization of previously cleaned hard, non-porous food contact surfaces and general environmental {(non-food contact)} hard, non-porous surfaces such as floors, walls, ceilings, drains, and boots. Foam applications can be used where penetration and retention of product for required times is difficult to achieve. Examples include operating conveyor belts and vertical or uneven surfaces.

1. Prepare a use solution by adding 0.3 - 0.5 oz. of this product per 4.5 gal. of water.
2. After preparing the use solution, add 1.25 - 5.0 oz. of Biofoam to the diluted solution. After the Biofoam is added, adjust the total solution volume to 5 gal. Biofoam is the only approved foam-generating additive for use with this product.
3. Apply the sanitizing solution as a foam using commercially available foam generating equipment. Allow foam to contact surfaces for at least 1 minute. For foot bath application, allow foam to remain on the boot surface for 1 minute upon exiting the bath.
4. Drain items and/or surfaces thoroughly.

ALKALINE DETERGENT CLEANING ADJUNCT (BOOSTER)

To Clean Food Processing Equipment: This product is an effective cleaning booster {(hypochlorite alternative)} for use with alkaline detergents. It may be used as a cleaning additive for Clean-In-Place (CIP) operations involving the circulation cleaning of pipelines, tanks, vessels, evaporators, HTSTs, and other food processing equipment. For cleaning applications as a detergent booster, use 0.5 - 3 oz. per gal. of water to assist in the removal of organic soils. All hard, non-porous food contact surfaces treated with this boosted detergent must then be thoroughly rinsed with potable water and sanitized with an EPA-registered food contact surface sanitizer (such as this product).

TREATMENT OF PROCESSING WATERS AND SURFACES TO CONTROL GROWTH OF NON-PATHOGENIC MICROORGANISMS THAT CAN CAUSE SPOILAGE OF FRESH-CUT, RAW POST-HARVEST, OR PROCESSED FRUITS, NUTS, AND VEGETABLES

1. Ensure that the water is recirculating or mixing in the processing tank or water line.
2. Prepare a use solution by diluting 0.13 - 1.06 oz. of this product per 25 gal. of water. Ensure that the solution is thoroughly mixed. {This provides 40 - 100 ppm of peracetic acid and 57 - 67 ppm of hydrogen peroxide.} Allow the solution to circulate at least 45 seconds before adding or treating raw fruits and vegetables.
3. Dose as needed to maintain 40 - 100 ppm of peracetic acid by adding this product to processing water.
4. Apply the prepared solution as a spray or dip. Allow a minimum contact time of 45 seconds. No rinse following application is required. This use complies with the requirements at 21 CFR §173.315(a)(5).
5. Prepare fresh process water daily to ensure effectiveness. Do not reuse water that is badly fouled.
6. Contact your technical representative for specific fruit and vegetable applications.

TREATMENT OF RAW, UNPROCESSED FRUIT AND VEGETABLE SURFACES

Apply this product as a dip or spray to control the growth of non-public health microorganisms that may cause decay and/or spoilage on raw, post-harvest fruits and vegetables during the washing process. This product can be applied during physical cleaning processes, including at the roller spreader, washer manifold, and dip tank, on the brushes, or elsewhere in the washing process prior to, simultaneously with, or as a final rinse prior to packaging.

1. Prepare a use solution by diluting 1.5 - 1.9 oz. of this product per 25 gal. of water. Ensure that the solution is thoroughly mixed. This provides 85 - 100 ppm of peracetic acid and 57 - 67 ppm of hydrogen peroxide.
2. Apply use sanitizing solution as a coarse spray or fog directed at the fruits or vegetables, or by submerging the fruits or vegetables in use solution.
3. Allow a minimum contact time of 45 seconds.
4. Rinsing is not required
5. Contact your technical representative for specific fruit and vegetable applications.

Fogging Instructions: Apply this product as a fog to control the growth of non-pathogenic microorganisms that may cause decay and/or spoilage on raw, post-harvest fruits and vegetables during the post-harvest process.

Commercially-applied fogging methods may be used provided the dilution rate of the resultant solution does not exceed those prescribed in this section (85 - 100 ppm peracetic acid in the use solution). Conventional corrosion-resistant fogging devices are recommended. Applicable for use on all types of post-harvest commodities.

1. Vacate all personnel from the room during fogging.
2. Fog areas with a 0.06% solution of this product using one quart per 1,000 cu. ft. of room volume.
3. Exit the area immediately and remain outside the treated area until the area is thoroughly ventilated and until fog or mist has dispersed.
4. Do not enter room until hydrogen peroxide concentrations are tested and are below 0.5 ppm on a time weighted average. Reentry times may vary.
5. Contact your technical representative for specific fruit and vegetable application.

CLEANING

All surfaces must be cleaned and sanitized prior to fogging.

Fogging in Filling, Packaging, Processing, Storage, Warehouse, and Worker Welfare Rooms or Areas: Prior to fogging remove food products and packaging materials from the room or area or carefully protect them. Fog desired areas using 32 - 64 oz. of use solution per 1000 cu. ft. using equipment with an automated timer. Conventional corrosion resistant fogging devices are recommended. Vacate the area of all personnel prior to, during, and after fogging until the hydrogen peroxide concentration is below 0.5 ppm.

NON-PATHOGENIC SPOILAGE ORGANISMS

This product is effective against non-pathogenic spoilage organisms and yeasts. Clean equipment immediately after use:

1. Remove gross particulate matter with warm water flush.
2. Wash equipment with detergent or cleaning solution.
3. Rinse equipment with potable water.
4. Prepare a use solution by adding 0.41 - 0.94 oz. of this product to 5 gal. of water. {This provides 109 - 250 ppm peracetic acid and 73 - 167 ppm of hydrogen peroxide.}
5. Fill closed systems with diluted sanitizer solution for a contact time of 1 minute.
6. For open or not completely closed systems, use a [{coarse spray}] {mop/wipe} {or} {flood}} to apply the solution to the surface for a contact time of at least 1 minute. Allow surfaces to drain thoroughly before resuming operation.

FOR NON-PATHOGENIC MICROBIAL CONTROL IN SEWAGE AND WASTEWATER EFFLUENT TREATMENT PLANTS

Use this product to treat sewage and wastewater effluent from public and private wastewater treatment plants. This product can be applied directly to the effluent or may be used with an appropriate activator such as hydrogen peroxide or other technology such as ultraviolet (UV) light. This product may be applied to effluent water discharged from trickle bed or percolating fluidized bed filters.

The application rate for individual facilities will depend on the degree of bio loading of the effluent stream to be discharged and the local microbial discharge limit. Adjust application rate to meet the need of the individual facility.

1. Add this product to effluent water at a concentration of 0.5 ppm - 15 ppm. Allow contact time of approximately 15 - 60 minutes.
2. The maximum amount of peracetic acid that can be discharged from the treatment facility is 1 ppm. Use an appropriate peracetic acid test kit analyzer to ensure that this level is not exceeded. Contact your representative for assistance establishing treatment regimes.

WATER DAMAGE RESTORATION

Use this product to control the growth of odor causing bacteria in water damage restoration situations. This product is suitable for use on hard, non-porous surfaces, along with the following porous and semiporous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip, and paneling.

SEWER BACKUP AND RIVER FLOODING

During mitigation procedures prepare a use solution by adding 0.35 oz. of this product per gal. of water, allowing for the diluting effect of absorbed water within the saturated materials. Remove heavy soil or gross filth from surfaces by cleaning with the use solution by wiping, mopping, or as a coarse spray. Saturate all affected materials with the solution using a coarse spray before cleaning and extraction. Allow surfaces and materials to remain visibly wet with solution for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly. Use proper ventilation.

ANTIMICROBIAL USE WITH AQUEOUS TREATMENT FLUIDS IN SUBTERRANEAN OILFIELD AND GAS FIELD WELL OPERATIONS SUCH AS WELL DRILLING, FORMATION FRACTURING, PRODUCTIVITY ENHANCEMENT, AND SECONDARY RECOVERY

This product can be for control of slime forming and spoilage bacteria, yeast, and fungi and anaerobic sulfate reducing bacteria such as *Desulfovibrio vulgaris* that lead to reservoir souring and metal corrosion.

This product must be introduced through a closed mixed/loading and delivery transfer system equipped with a metering device that is appropriate for its intended use.

DRILLING MUDS, FRACTURING FLUIDS, WELL SQUEEZED FLUIDS

For the preservation of drilling muds, workover and completion fluids and other product susceptible to contamination, pre-mix with the fluid or add directly at the point of use at 3.75 - 75.5 oz. of this product per 1000 gal. of water {(5 - 100 ppm of peracetic and 3.3 - 66 ppm of hydrogen peroxide)} as required. Depending on the severity of the contamination, initial application may be added up to 755 oz. per 1000 gal. of water {(1000 ppm of peracetic acid and 670 ppm of hydrogen peroxide)}.

FLOODING, INJECTION AND PRODUCED WATER

Water Flooding Operations: Add initially at 3.75 - 75.5 oz. per 1000 gal. of water {(5 - 100 ppm of peracetic acid and 3.3 - 66 ppm of hydrogen peroxide)} and repeat until control is achieved. Subsequent treatment may be continued on a weekly basis or as required.

Injection Wells: Wells that are associated with gas storage systems may be treated up to 100 ppm of peracetic acid and 66 ppm of hydrogen peroxide when diluted in the formation water. Any additional top-up water should be treated as required.

Hydrostatic Systems: Apply 3.75 - 75.5 oz. per 1000 gal. of water {(5 - 100 ppm of peracetic acid and 3.3 - 66 ppm of hydrogen peroxide)} depending on the water quality and the duration of the shut-in.

PIPELINE AND TANK MAINTENANCE

For microbial control in water-bottoms in crude and refined hydrocarbon storage tanks, piping, and transportation systems. Apply 3.75 - 75.5 oz. per 1000 gal. of water {(5 - 100 ppm of peracetic acid and 3.3 - 66 ppm of hydrogen peroxide)} in the aqueous phase, directly injected into the water-bottom, pipeline, or the hydrocarbon phase. Treatment may be applied daily or monthly for both storage and transportation systems as needed.

AGRICULTURAL AND HORTICULTURAL USES

A Restricted-Entry-Interval of zero 0 hours is required for this product in agricultural or horticultural uses. This product should not be mixed or combined with any pesticides or fertilizers. Upon soil contact, the diluted product decomposes rapidly to oxygen, carbon dioxide, and water. This product may be harmful to fish if exposed on a continuous basis at concentrations greater than 1 ppm of active peracetic acid. Meter this product into pressurized pipes using a plastic or stainless-steel injection/backflow device installed upstream from the equipment to ensure thorough mixing prior to application. For open bodies of water, allow adequate mixing prior to product flow entering anybody of water. If open pouring of this product is required, pour product as close to the surface of the water as possible to reduce odor and exposure.

Treatment of Agricultural and Irrigation Water Systems: Use this product to control sulfides, odor, slime, and algae in sand filters, humidification systems, storage tanks, ponds, reservoirs, and canals. Apply this product at 15 - 75 oz. per 10,000 gal. of water. {This provides 2 - 10 ppm peracetic acid}. Repeat dose as necessary to maintain control. For prevention of algae, some systems may require continuous low-level dosing at 2 - 5 ppm of peracetic acid during warm, sunny periods.

Drip Irrigation Systems: To clean slime and algae from drip system filters, tapes, and emitters, add this product at 7.5 - 15 oz. per 1000 gal. {(10 - 20 ppm peracetic acid)}. Use this product at the recommended dose for a minimum of 30 minutes during normal irrigation cycles. Upon irrigation cycle completion, discontinue use and flush the lines.

Greenhouses: This product can be used to suppress/control algae and slime formations in and around greenhouses. For normal use in various process, irrigation, or sprinkler water systems, this product may be used at dilutions of 1:40,000 - 1:5,000 {(4 - 33 ppm as peracetic acid)}. Heavily fouled systems, such as evaporative coolers or irrigation/drip lines, may need shock doses of up to 100 ppm as peracetic acid (1:1,600 dilution).

Cleaning Poultry, Swine, Livestock Water Systems (When the System is Not in Use): To remove scale, calcium, iron, magnesium, heavy soils, polysaccharides, and deposits from vitamins and medications from livestock watering systems use this product at 0.15 - 0.30 oz. per gal. of water. When used as directed, this product will remove organic and inorganic deposits that reduce water flow and clog nipples. Allow system to run for 6 - 24 hours depending on the conditions. Following the cleaning process, rinse with potable water to remove the cleaning solution from the watering line, nipples, and cups. Never mix this product with any other product.

Cleaning Poultry, Swine, Livestock Watering Operating Systems (When Animals Are Present): After water lines have been cleaned, use this product at 0.3 - 0.45 oz. per 100 gal. of water to control mineral build up in watering lines. Never use this product more than 5 consecutive days to clean the operating system. Never mix this product with any other product. If cleaning the operating system, stop the use of this product 24 hours prior to vaccination or medication via the water line.

Evaporated or Condensed Water: This product may be used to treat SWEET or COW water (i.e., condensate of whey) collected from evaporated or condensing water systems in food or dairy plants. Continuous dosing methods will require 2 - 7 ppm of peracetic acid and intermittent dosing methods require 7 - 14 ppm of peracetic acid as described in the previous paragraph, depending on the type of system and the level of microbiological control desired.

SANITIZING OF ANIMAL AND POULTRY PREMISES, TRUCKS, COOPS, AND CRATES

{This product can be used in animal hospitals, animal laboratories, kennels, pet shops, zoos, pet animal quarters, poultry premises, poultry hatcheries, and livestock quarters.} {When used as directed, this product is specifically designed to sanitize, deodorize and clean inanimate, hard, surfaces such as walls, floors, sink tops, furniture, operating tables, kennel runs, cages, and feeding equipment.} {In addition, this product will deodorize those areas which are generally hard to keep smelling fresh, such as garbage storage areas, empty garbage bins and cans, and any other areas which are prone to odors caused by microorganisms.}

Sanitizing of Poultry Premises: Pre-clean visibly soiled areas. Prepare a fresh solution for each use. Remove all poultry and feeds from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with a detergent and rinse with water. Saturate surfaces with a use solution of 1 - 3 oz. of this product per 5 gal. of water for a period of 10 minutes. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with a detergent and rinse with potable water before reuse. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has set or dried. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

Sanitize and Deodorizing of Animal Housing Facilities (Barns, Kennels, Hutches, Etc.): Remove animals and feed from premises, vehicles, and enclosures. Remove litter, waste matter from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering equipment. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces by applying a 1 oz. per 5 gal. solution of this product with a mop, brush, or coarse spray. Wet all surfaces and allow to remain visibly wet for 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels and scrapers used for removing litter and manure.

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

NOTE: This product at its use dilution is compatible with stainless steel and aluminum surfaces. If product is intended to be used on any other surface, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.

REVERSE OSMOSIS (RO), ULTRA FILTRATION (UF), NANO FILTRATION (NF), AND OTHER MEMBRANE CLEANING

This product may be used in the sanitization of ultra-filtration (UF), nano-filtration (NF), and reverse osmosis (RO) membranes and their associated piping systems. This product is not for use in kidney dialysis equipment. Do not use the intermittent dosing methods for nano- or ultra-filtration food or drinking water applications. This product may not totally eliminate all vegetative microorganisms in RO, NF, or UF membranes and their associated piping systems due to their construction or assembly, but can be relied upon to reduce the number of microorganisms to acceptable levels when used as directed. Before using this product, check with membrane manufacturer to confirm compatibility of membranes with various types or concentration of peracetic acid solutions.

Batch Sanitation of NF, UF, and RO Systems: Isolate incompatible equipment, such as carbon filters and ion exchangers. Clean system with an appropriate cleaner and follow with RO permeate water or potable water. Remove mineral deposits if necessary with an acidic cleaner, and rinse as before. Fill entire system with water and add up to 0.5% of this product by volume. This will equal 750 ppm peracetic acid and 500 ppm hydrogen peroxide. Recirculate the sanitizing solution through the piping and membrane system at 20°C for 10 minutes minimum, or up to 4 hours, depending on the severity of cleaning to be done. Open and close process valves and solenoids to be sure all parts are in contact with the solution. Rinse the system with RO permeate or potable water until residual peroxygen concentration is below 1 ppm.

Continuous or Intermittent Addition: For continuous [[addition] {dosing}] for RO systems, use 2 - 5 ppm of active peracetic acid, which equals 1.5 - 3.7 oz. of this product per 1000 gal. of process water. For occasional intermittent feed, do not exceed 93 ppm active peracetic acid, which equals 0.7 oz. of this product per 10 gal. of feed water. Intermittent dosing of this product is not allowed for use in NF or UF systems for on-line food or drinking water applications.

FOR SANITIZATION AND DISINFECTION OF LAUNDRY IN COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL OPERATIONS

This product is a sanitizer and antimicrobial agent for use in commercial, institutional, and industrial premises including hospitality laundry operations to control microorganisms including *Staphylococcus aureus*, *Klebsiella pneumoniae* and *Pseudomonas aeruginosa*.

Sanitization:

1. Add 3.5 oz. of this product per 100 lbs. of dry laundry, assuming 5 parts water to 1 part laundry.
2. Inject this product into the sanitizing rinse step at 3.5 oz. per 60 gal. of water. This product is effective in water up to 400 ppm of water hardness. Treat laundry for a minimum of 6 minutes at a minimum of 20°C. Following sanitization, laundry may be rinsed with water that may include starch, softener, odor neutralizer, fragrance, soil release agent, sour, and/or fluid repellent.

Disinfection:

1. Add 14.5 oz. of this product per 100 lbs. of dry laundry, assuming 5 parts water to 1 part laundry.
2. Inject this product into the disinfecting rinse step at 14.5 oz. per 60 gal. of water. This product is effective in water up to 400 ppm of water hardness. Treat laundry for a minimum of 15 minutes at a minimum of 20°C. Following disinfection, laundry may be rinsed with water that may include starch, softener, odor neutralizer, fragrance, soil release agent, sour, and/or fluid repellent.

ALTERNATE CONTAINER/DELIVERY SYSTEMS

{AUTOMATED DILUTION SYSTEM} {(DILUTION SYSTEMS TRADE NAME)} {CLOSED LOOP DISPENSING} {BAG-IN-BOX} INSTRUCTIONS:

Remove [[cap] {spray nozzle}] from empty container. Fill empty container with a freshly prepared use solution. Replace [[cap] {spray nozzle}]. Place correct use-dilution label on newly filled container.

(OR)

{Remove cap and} Insert [[cartridge] {container}] into dispenser. {See dispenser instructions for proper placement of [[cartridge] {container}].} [[Press button] {or} {turn knob}] to dispense (*Insert appropriate dilution from dilution list*) of this product into a [[bucket], {bottle}, {scrubber} or {other} {container}].

(OR)

Turn off water to connect [[unit] {cartridge}]. Attach water source. Rotate control knob to fill a [[bottle] {or} {bucket} {other container}]. Squeeze handle to dispense (*Insert appropriate dilution from dilution list*). {See device instruction manual for more information.}

(OR)

{Remove {insert color} locking rings.} Push {the} control knob [[sideways] {down}] until [[bottle] {bucket}] icon is completely depressed against the dispensing head {for [[low] {high}] flow rate applications such as filling [{a {coarse} trigger spray bottle} {mop buckets}].} {Use hose with quick-connect, supplying potable water - Connect to dispensing head. Squeeze to dispense. Slide holding lock to dispense into a bucket and free hands}.

(OR)

Attach sprayer unit to hose, ensuring the hose faucet is turned off. Secure tightly, Check that the sprayer is in the off position. Turn on water. Turn sprayer to on position to dispense (*insert appropriate dilution from dilution list*). Spray evenly over surface. When finished turn sprayer to off position and then turn water off. Separate mixing of the concentrate or other application equipment is not required.

(OR)

Ensure water source is off. Attach water hose to [[dispensing unit] {sprayer unit}] and attach to container. {See dispenser instructions for proper assembly}. Secure all connections. Ensure that the [[lever] {knob} {dial}] on the [[dispenser] {sprayer}] is in the [[off] {closed}] position. Turn on the water. Turn the [[lever] {knob} {dial}] on the [[dispenser] {sprayer}] to the [[on] {open}] position to [[dispense solution into a {bucket}, {bottle}, or {other} {container}] {spray onto surfaces}]. When finished, turn the [[lever] {knob} {dial}] on the [[dispenser] {sprayer}] to the [[off] {closed}] position and turn the water off.

OR)

{Twist a (insert package name) Cap onto (insert product name) spout.} Fit ¼" tubing to the automatic dilution system and attach to (insert package name) Cap. {Insert an in-line check valve in the run of the tubing between the automatic dilution system and the (insert package name) Cap.} Push tubing over the barbs of the (insert packing name) Cap. Secure tubing connections with plastic zip ties. {{Place} {Hang}} (insert package name) {{upside down} {on its side}}. See automatic dilution system instructions for detailed directions. (OR)

This package is designed to be used with dilution control systems only. Open package and connect to {{hose} {system}} to dispense according to directions on the box.

DILUTABLE BAGS OR POUCHES: {{Remove} {Unscrew}} {{cap} {spout} {sprayer}} from {{bag} {pouch}}. Fill {{bag} {pouch}} with (insert quantity here) oz. of water. Replace {{cap} {spout} {sprayer}}. Squeeze {{bag} {small section filled with concentrate}} until the seal between water and concentrate is broken. Shake to mix. {{Open} {{cap} {spout}}} to dispense in {{bucket} {bottle} or {other} {container}.] {Spray onto surfaces.} {Pull top on cap and squeeze bag to dispense onto surfaces.} Do not refill {{bag} {pouch}}.

PRE-MEASURED CARTRIDGES: Fill {appropriate} {{bottle} {container}} with (insert quantity here) oz. of water. {{Apply} {Insert} {Twist} {Screw}} cartridge {{onto} {into}} {{bottle} {container}} {{finish} {opening}}. {Remove any tamper evident protection.} {{Lift} {Unscrew} {Open}} cap {from the cartridge}. {{Push} {Press} {Twist}} the {{button} {activator} {dial} {knob}} {to release the concentrate into the diluent.} {Replace cap.} Shake to mix. {{Remove cap} {Flip top} {Pull top} {Peel film}} to open. {{Dispense contents into} {{bucket}, {bottle}, or {other} {container}}] {Squeeze bottle to dispense contents onto surfaces}. Keep cartridges in {{box} {dispenser} {holder}} until ready to use.

{COARSE} TRIGGER SPRAYERS: Fill bottle from dispenser. {Apply to surfaces according to directions above.}

SPRAY USE INSTRUCTIONS:

How to Assemble Extendable Trigger

1. Remove {{cap} {sprayer}} from bottle.
2. Insert end of tube into bottle until new cap meets bottle.
3. Twist cap onto bottle until secure.

How to Spray

1. Adjust nozzle to ON (**Note to Reviewer:** There will be an ON symbol here) position as indicated on nozzle.
2. {{To prime sprayer, direct nozzle toward surface to be treated and squeeze trigger several times until liquid is seen through the length of the tube. **Note:** Keeping sprayer head below the level of liquid in bottle will make priming easier.} {When priming, hold sprayer level to the ground. If held at an angle, sprayer will not prime.}}

After Use

1. Turn nozzle to OFF (**Note to Reviewer:** There will be an OFF symbol here) position.

(Spray Cap container language)

Shake Well. Remove sticker. Open flip cap. Firmly insert red hose tip.

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

(**Note to Reviewer:** For pre-measured tear open packet only)

PACKETS: {{{Simply} {Tear} open and}} pour contents into X gal. of water. {Keep packets in box until ready to use.}

STOCK SOLUTIONS INSTRUCTIONS:

{For Spray Bottles:}

1. Fill stock {{solution bottle} {mixing container} {insert bottle number}} to indicated line with (X) {{oz.} {gal.}} of water.
2. Pour contents of (X) pack{s} {{of this product} {insert packet number}} into stock {{solution bottle} {mixing container}}.
3. Fill {quart} {{hand pump} {coarse}} trigger spray bottle {insert bottle number} with (X) oz. to water line.
4. Add (X) pump stroke {{X} oz.} from stock {{solution bottle} mixing container} to create a (XXX) ppm solution.

Note: Empty and rinse bottles before refilling.

For {{{Mop} Buckets} {or} {{Soaking} {Wiping} {Cloth} Containers}}:

1. Fill {{{mop} bucket {insert bucket number}} {container}} to indicated line with {X} {{oz.} {gal.}} of water.
2. Pour contents of (X) pack{s} {{of this product} {insert packet number}} into stock {{solution bottle} {mixing container}}.
3. Add (X) pump stroke {{X} oz.} from stock {{solution bottle} {mixing container}}.
4. {Soak clean {wiping} cloths between use.}
5. Prepare a fresh solution daily or when visibly dirty {{or if falls below XXX ppm active peracetic acid.}}

REFILLS

To Refill Concentrate from Large Containers into Smaller Containers: This product may be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried, and properly labeled according to state and local regulations. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, [simply pour] {pump product} from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

STORAGE AND DISPOSAL

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

Pesticide Storage

NEVER RETURN THIS PRODUCT TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED. Avoid all contaminants, especially dirt, caustic, reducing agents, and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of a decomposition, isolate container, douse container with cool water and dilute with large volumes of water.

Avoid damage to containers. Keep closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

Procedure for Leak or Spill

Stop leaks if this can be done without risk. Shut off ignition sources; no flames, smoking flares, or spark producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces.

Pesticide Disposal

If material has been spilled, an acceptable method of disposal is to dilute with at least 20 volumes of water followed by discharge into suitable treatment system in accordance with all local, state and Federal environmental laws, regulations, standards, and other requirements. Because acceptable methods of disposal may vary by location, regulatory agencies should be contacted prior to disposal.

Product to be discarded should be disposed of as hazardous waste after contacting the appropriate local, state, or Federal agency to determine proper procedures.

Container Handling

(For non-refillable containers greater than or equal to five gal.)

Nonrefillable container. Do not reuse or refill this container. Offer for recycling. If available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Empty drums are not returnable to unless special arrangements have been made. Dispose of drums in accordance with local, state, and Federal regulations.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical resistant footwear, rubber gloves, and chemical goggles. 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.

(The following Personal Protective Equipment (PPE) and User Safety Recommendation language is required only for labels that have uses that fall under the Worker Protection Standard.)

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Mix only with water. This product is not combustible, but decomposition occurs at temperatures exceeding 156°F, releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

PERSONAL PROTECTIVE EQUIPMENT

Handlers who may be exposed to the undiluted product through mixing, loading, application, or other tasks must wear: coveralls over long-sleeved shirt and long pants, rubber gloves, chemical resistant footwear plus socks, and protective eyewear (goggles or face shield). Handlers who may be exposed to the diluted product through application or other tasks must wear: long-sleeved shirt and long pants, and shoes plus socks. Follow manufacturer's instructions for cleaning / maintaining PPE. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, mammals, fish and aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment facility authority. For guidance contact your State Water Board or Regional Office of the EPA.

{SPANISH ADVISORY STATEMENTS}

(Note to Reviewer: This statement is optional except when used on labels with agricultural uses.)

{SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN PARA QUE SE LA EXPLIQUE A USTED EN DETALLE.
IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.}