



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 14, 2018

Lisa M. Amadio  
Principal Regulatory Consultant for  
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2744 E. Kemper Road  
Cincinnati, OH 45241

Subject: Notification per PRN 98-10 – To update label language  
Product Name: Maquat® 710-HF  
EPA Registration Number: 10324-159  
Application Date: July 30, 2018  
Decision Number: 543216

Dear Ms. Amadio:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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 have any questions, you may contact Emilia Oiguenblik by phone at 703 347 0199, or via email at [Oiguenblik.emilia@epa.gov](mailto:Oiguenblik.emilia@epa.gov) or Eric Miederhoff by phone at 703 347 8028, or via email at [Miederhoff.eric@epa.gov](mailto:Miederhoff.eric@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "E. Miederhoff".

Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Est. No.

# MAQUAT<sup>®</sup> 710-HF

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

## NOTIFICATION

10324-159

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/14/2018

**Cleaner • Disinfectant • {Foaming} {Non-Food Contact} Sanitizer  
• Deodorizer • Virucide\***

### ACTIVE INGREDIENTS:

Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>)  
 Dimethyl Benzyl Ammonium Chloride.....4.0%  
 Octyl Decyl Dimethyl Ammonium Chloride.....3.0%  
 Didecyl Dimethyl Ammonium Chloride .....1.5%  
 Dioctyl Dimethyl Ammonium Chloride .....1.5%

**OTHER INGREDIENTS:** .....90.0%

**TOTAL:** .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER {PELIGRO}**

{See {left} {back} {side} {right} {insert} {panel} {of label}} {below} for {additional} {precautionary statements}{and}{or}{first aid}.

(Note to Reviewer: First Aid may only appear on different area of the container label if the Front Panel is less than 12 square inches in total.)

### FIRST AID

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

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

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

**IF SWALLOWED:** 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. Call a poison control center or doctor immediately for treatment advice.

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

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

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



Net Contents:

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

(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}.}

# MAQUAT® 710-HF

## ORGANISM LIST

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

**{GENERAL} DISINFECTION PERFORMANCE:** This product kills the following bacteria in 10 minutes at 1 oz. per gal. of water {(780 ppm active)} and 5% soil on hard, non-porous surfaces against:

*Pseudomonas aeruginosa* {(ATCC 15442)}  
*Salmonella enterica* {(ATCC 10708)}  
*Staphylococcus aureus* {(ATCC 6538)}

**ANIMAL PREMISE VIRUCIDAL\* PERFORMANCE:** This product kills the following viruses in 10 minutes at 1 oz. per gal. of water {(780 ppm active)} and 5% soil on hard, non-porous surfaces:

Avian Adenovirus {(VR-280)}  
Avian Influenza A Virus {(H3N2)} {(VR-2072)}  
Avian Reovirus {(VR-2449)}  
Infectious Bronchitis Virus {(Strain Beaudette)}  
Infectious Laryngotracheitis Virus {(Strain LT-IVAX)}  
Newcastle Disease Virus {(VR-108)}  
Porcine Respiratory & Reproductive Virus {(Strain NVSL)}  
Porcine Rotavirus {(VR-893)}  
Pseudorabies Virus {(VR-135)}  
Swine Influenza A {(VR-333)}  
Transmissible Gastroenteritis Virus {(TGE)}  
Vesicular Stomatitis {(VR-158)}

**NON-FOOD CONTACT SANITIZING PERFORMANCE:** This product is an effective one-step non-food contact sanitizer in 1 minute at 1 oz. per 4 gal. of water {(200 ppm active)} and 5% soil on hard, non-porous surfaces against:

*Campylobacter jejuni* {(ATCC 29428)}  
*Escherichia coli* O157:H7 {(ATCC 35150)}  
*Klebsiella pneumoniae* {(ATCC 4352)}  
*Listeria monocytogenes* {(ATCC19117)}  
*Salmonella enterica* {(ATCC 10708)}  
*Salmonella enteritidis* {(ATCC 4931)}  
*Shigella dysenteriae* {(ATCC11835)}  
*Staphylococcus aureus* {(ATCC 6538)}  
*Yersinia enterocolitica* {(ATCC 23715)}

**FOAMING NON-FOOD CONTACT SANITIZING PERFORMANCE:** This product is an effective one-step non-food contact sanitizer in 5 minutes at 2 oz. per 4 gal. of water {(390 ppm active)} and 50% soil on hard, non-porous surfaces against:

*Enterobacter aerogenes* {(ATCC13048)}  
*Listeria monocytogenes* {(ATCC19117)}  
*Staphylococcus aureus* {(ATCC 6538)}

## TABLE OF CONTENTS

(Note to Reviewer: The Table of Contents is optional and may appear will not be on any labeling. This is for our customer's reference only.)

ORGANISM LIST .....	2
MARKETING CLAIMS .....	3
GENERAL/HOSPITAL/HEALTH CARE/MEDICAL/NON-MEDICAL DISINFECTION .....	8
SANITIZING .....	9
FOOD PROCESSING PREMISES .....	11
ANIMAL PREMISES .....	11
RESTROOM/BATHROOM .....	12
DEODORIZATION/CLEANING .....	12
WATER AND SMOKE DAMAGE RESTORATION .....	13
OTHER USES .....	13
ALTERNATE CONTAINER/DELIVERY SYSTEMS .....	14
STORAGE AND DISPOSAL .....	15
PRECAUTIONARY STATEMENTS .....	15

## 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).*

### {LOCATIONS/SURFACES}

*(Note to Reviewer: The locations/surfaces have been grouped for space purposes only; they can be used individually or grouped together in any order however at least **one** location/surface must appear on the label. In the case where one or more location/surface is chosen, an “and” “&” “or” may be used to link locations/surfaces.)*

This product is for use on hard, non-porous surfaces in *(insert location)*

This product *{when used as directed}* *{can be used}* *{is formulated to}* *{[disinfect] {clean} {sanitize} {deodorize}} {is formulated for use}}* *{on {washable} hard, non-porous surfaces such as}* *{on}*: *(insert location/surface)*

For use *{in}* *{on}* *(insert location/surface)*.

*{With Organic Soil {Load} {Tolerance}}{For}* *(insert location)*

### {LOCATIONS}

- Airline terminals, airports, bus stations, train stations, transportation terminals, public facilities, shipping terminals, travel rest areas, waysides
- Automobiles, cars, trucks, campers, RV's, trailers, automotive garages, auto repair centers
- Boats, ships, barges, cruise lines, cruise ships, watercraft
- Boxcars, tankers, and tank trucks
- Buses, public transportation, trains, taxis, airplanes, helicopters
- Delivery trucks, garbage trucks, maintenance vehicles
- EMS & fire facilities, emergency vehicles, ambulances, police cars, fire trucks
- Police stations, crime scenes, courthouses, correctional facilities, municipal government buildings, prisons, jails, penitentiaries, correctional institutions
- Recycling centers
  
- Athletic facilities, locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, field houses
- Banks, churches, libraries, post offices
- Bathrooms, restrooms, shower rooms, shower and bath areas
- Campgrounds, playgrounds, recreational facilities, picnic facilities
- Day care centers, {children's} nurseries, kindergartens, and preschools
- Funeral homes, morgues, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas
- Health clubs, spas, tanning salons, tanning spas, tanning beds, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, foot spas, tattoo parlors (Not for use on needles or other skin piercing instruments)
- Hotels, motels
- Kitchens and bathrooms areas
- Museums, art galleries, performance/theater centers, movie houses, bowling alleys
- Restaurants, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations, food storage areas
- Schools, colleges, dormitories, classrooms, community colleges, universities
- Sports arenas, sports complexes
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms, photocopy centers, bicycle shops
- Veterinary, veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, equine farms, {dog} {cat} {animal} kennels, animal breeding facilities, breeding establishments, animal husbandry establishments, grooming establishments, pet animal quarters, animal housing facilities, zoos, tack shops, pet shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities
  
- Businesses, office buildings, workstations, break rooms, public restrooms, housekeeping, janitorial rooms
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities
- Factories, computer manufacturing sites, toy factories, warehouses
- Institutional, commercial, industrial, institutions, commercial sites, industrial sites, institutional facilities, public places
- Laboratories

- Dairy, equine, poultry/turkey farms
- Farmhouses, barns, sheds, tool sheds, {cattle} {swine} {sheep} {horse} barns, pens and stalls, swine quarters, livestock farms, equine quarters, brooder houses, seed houses and veal, calving, hog, cattle and horse operations, chick vans, egg trucks, hatchery and farm vehicles
- Federally inspected meat and poultry plants
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores, wineries
- Food handling and process areas
- Food processing plants, USDA inspected food-processing facilities, federally inspected meat and poultry plants, egg processing plants, poultry and turkey farms, farms, dairy farms, hog farms, meat/poultry processing plants, mushroom farms, rendering plants, poultry and animal dressing plants, canneries, meat packing plants
- ~~Hide/leather processing surfaces such as hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas and scales~~
- Poultry premises {(Hatcheries)}:
 

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings
- Processing facilities for fish, milk, citrus, wine, fruit, vegetable, ice cream and potato and beverage plants
- Swine premises:
 

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes
- Tobacco plant premises
- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms/theaters, radiology rooms, isolation wards, quarantine areas, hospices, medical research facilities, washing areas, ICU areas, acute care institutions, alternate care institutions, home healthcare institutions sick rooms
- Life care retirement communities, elder care centers, elder care facilities
- Patient care rooms & facilities, recovery rooms, Emergency Rooms, x-ray ~~CAT~~ labs, exam rooms, newborn nurseries, neonatal units, orthopedics, respiratory therapy, surgical centers, out-patient surgical centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities

#### {SURFACES}

- {Countertops} {counters}, countertop laminates, stovetops {stoves}, {bathroom}{kitchen} sinks, tub surfaces, shelves, racks, carts, appliances, exterior surfaces of refrigerators, exterior surfaces of ice machines, exterior surfaces of microwave ovens
- Floors, finished floors, high speed burnished floors, conductive flooring, walls, ceilings, fixtures
- Glass surfaces, aluminum, brass, copper, laminated surfaces, metal, plated steel, stainless steel, glazed porcelain, glazed {restroom} tile, glazed {restroom} ceramic, sealed granite, sealed marble, plastic {such as polycarbonate, polyvinylchloride, polystyrene or polypropylene}, sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome, Plexiglas®, enameled surfaces, painted {finished} woodwork, Formica®, vinyl and plastic upholstery, washable wallpaper, windows, mirrors, painted surfaces
- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/warmers/incubators/care equipment, folding tables, hampers, laundry pails, empty diaper pails
- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, portable and chemical toilets and latrine buckets, vanity tops, and restroom fixtures, bathroom fixtures, bathroom bowls, basins, tubs
- Sealed foundations, steps, plumbing fixtures, finished baseboards and windowsills
- Tables, chairs, desks, folding tables, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, trash barrels, trash cans, trash containers, ~~cuspidors spittoons,~~ industrial waste receptacles and garbage handling equipment, shelves, racks and carts, door knobs and handles
- And other hard, non-porous surfaces
- Automobile interiors, mats, crates, cabs, and wheels
- Hard, non-porous surfaces of picnic tables and outdoor furniture
- Kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, veterinary x-ray tables, loading platforms, animal equipment
- Maintenance equipment
- Non-wooden picnic tables and outdoor furniture except cushions and wood frames
- Playground equipment
- Tanning spas/beds, tanning equipment
- Tattoo equipment (Not for use on needles or other skin piercing instruments)
- Telephones and telephone booths
- Wrestling and gymnastic mats, athletic mats, athletic training tables, physical therapy tables, exercise equipment, athletic helmets, wrestling/boxing headgear, athletic shoe soles, and locker rooms {areas}

- Food {preparation} {and} {storage} areas
- Hatchers, setters, trays, racks, egg flats, chick boxes, egg cases, vans and trash containers seed houses, poultry/turkey equipment, carts, sexing tables, and automated tray, rack and buggy washers, egg receiving and egg holding areas
- Harvesting & handling equipment
- Hide/leather processing surfaces such as hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas and scales
- Meat packing plant surfaces such as livestock vehicles and holding pens, receiving areas and delivery chutes, slaughter areas and conveyors, hand, rub and guide rails, post knock cabinets, stands and flooring surfaces, chains and moving process lines, chutes, conveyors, tallow and animal feed production surfaces, processed product and offal equipment surfaces, fabrication and processing areas covering cold storage areas, stainless steel cut out and prep tables, and other stainless surfaces
- Tobacco plant equipment
- External lenses, vision correction devices including eyeglasses, protective eyewear, goggles, light lens covers, optical instruments/implements (Not for use on contact lenses.)
- Hospital beds, bed railings, bedpans, gurneys, traction devices, MRI, CAT, examining tables, scales, paddles, wheelchairs, hard, non-porous surfaces of cervical collars and neck braces, spine backboards, stretchers, unit stools, CPR training mannequins, curing lights, light lens covers, slit lamps, operating room lights, operating tables, oxygen hoods, dental chairs/countertops, examination tables, x-ray tables, ambulance equipment/surfaces, medical equipment surfaces

### DISINFECTION MARKETING CLAIMS

*(Note to Reviewer: The following marketing claims may be used with the prefix "This product".)*

- At 1 oz. per gal. of water {(or equivalent use dilution)} {(780 ppm)} this product is an effective foaming disinfectant {in {medical facility} {institutional} {sinks,} {floor drains} {and} {trunk lines}}.
- Can be used to disinfect, clean and deodorize terrarium and small animal cages, substrate and other hard, non-porous cage [{equipment} {furniture} {plastic terrarium ornaments} {heat caves} {and} {water dishes}]. (Do not use on porous rocks, driftwood and hot rocks)
- Cleans, disinfects and deodorizes on hard, non-porous surfaces.
- Cleans, disinfects and deodorizes hard, non-porous surfaces by killing many odor-causing microorganisms.
- Cleans, disinfects and eliminates odors leaving hard, non-porous surfaces smelling clean and fresh.
- Cleans, disinfects and deodorizes hard, non-porous surfaces by killing odor causing microorganisms.
- Cleans, disinfects and deodorizes hard, non-porous {{hospital} {medical} surfaces} in one step {with no rinsing required}.
- Concentrated liquid foamer for effective disinfectant.
- Delivers non-acid disinfection performance in an economical concentrate.
- Disinfects {Disinfectant}.
- Disinfects hard, non-porous athletic surfaces.
- Disinfects {and sanitizes} hard, non-porous {non-food contact kitchen} {and} {bathroom} surfaces {and floors}.
- Foaming disinfectant for medical sink drains, floor drains and trunk lines.
- Foaming disinfectant and virucide
- Has demonstrated effectiveness against Influenza A {(H3N2)} Virus.
- High foaming disinfectant and non-food contact surface sanitizer.
- Is a broad-spectrum disinfectant for use on hard, non-porous surfaces.
- Is a concentrated hospital use disinfectant that is effective against a broad spectrum of bacteria, and eliminates odor causing bacteria when used as directed.
- Is a {concentrated} non-acid {bowl and} bathroom cleaner, which cleans, disinfects and deodorizes
- Is a concentrated liquid product containing an effective blend of quaternary ammonium compounds and a high foaming surfactant, all the things that are needed to make a high foaming disinfectant, sanitizer and deodorizer.
- Is a disinfectant and non-food contact surface sanitizer for cleanroom and laboratory areas ~~to disinfecton~~ washable, hard, non-porous non-food contact surfaces such as: laminar-airflow equipment and BioSafety cabinet work surfaces and exterior surfaces of the following: countertops, sinks, plumbing fixture surfaces, and incubators, refrigerators and centrifuge surfaces of metal, stainless steel, glass, plastic {such as polystyrene or polypropylene}, Formica®, and vinyl.
- Is a one-step {hospital-use} {disinfectant} cleaner and deodorant {odor-counteractant} {odor neutralizer} designed for general cleaning, {and} disinfecting, {deodorizing} {of} hard, non-porous surfaces.
- Is a multi-surface cleaner, deodorizer and disinfectant.
- Is a one-step disinfectant that is effective against a broad spectrum of bacteria, is virucidal\*
- Is a phosphate-free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross-contamination on treated surfaces.
- Is a proven disinfectant, cleaner, sanitizer, and virucide\*.
- Is a versatile disinfectant & sanitizer for veterinarian, veterinary practice, animal care, animal laboratory, and agricultural and farm premise applications.
- Is an effective [{bactericide} {and} {virucide\*}] {disinfectant} {non-food contact sanitizer} in the presence of [{organic soil} {5% {blood} serum}].
- Is designed to provide both general cleaning and disinfection.
- Is for use as a disinfectant on hard, non-porous surfaces {at 780 ppm active}. A potable water rinse is required after application on food contact surfaces.
- Is for use as a disinfectant on hard, non-porous surfaces {at 780} ppm active}.

- Is for use in federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and/or exterior areas, federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments, and federally inspected meat and poultry plants as a disinfectant agent for use in all departments.
- Is used to clean, sanitize and disinfect hard, non-porous ambulance equipment and surfaces by rinsing all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the ambulance equipment and surfaces that would necessitate replacement.)
- Kills *(insert virus name from approved organism listing for this product)*.
- Kills {99.9% of} {any disinfection organism listed} {on hard, non-porous surfaces}.
- Kills {Avian} Influenza A {Flu} Virus {(H3N2)}.
- Kills bacteria and helps ~~reduce~~~~prevent~~ cross-contamination on {treated} non-food contact kitchen surfaces listed on this label.
- Kills {common} {kitchen} {bathroom} bacteria.

#### SANITIZATION MARKETING CLAIMS

**(Note to Reviewer:** *The following marketing claims may be used with the prefix "This product".*)

- At 2 oz. per 4 gal. of water {(or equivalent use dilution)}{(400 ppm)} this product is an effective drain foaming sanitizer.
- Combines the proven efficacy of a quat with a high foaming specialty surfactant to provide you with an all-in-one system {specifically designed for [{doorway}{entryway}] foam sanitizers}.
- Foam{ing} drain sanitizer for food processing facilities.
- Foaming [{doorway} {entryway}] sanitizer.
- Is a hard, non-porous non-food contact surface sanitizer.
- Is an effective non-food contact sanitizer {in the presence of {{soils} {5% serum contamination}}}} on hard, non-porous non-food contact surfaces.
- Is an effective {foaming} [{doorway}{entryway}] sanitizer.
- Is [{for use as a} {an effective one-step}] non-food contact sanitizer {and cleaner} on hard, non-porous, non-food contact surfaces {(200 ppm active)}.
- Kills 99.9% of bacteria like *Campylobacter jejuni*, *Escherichia coli* O157:H7, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Salmonella enterica*, *Salmonella enteritidis*, *Shigella dysenteriae* *Staphylococcus aureus*, and *Yersinia enterocolitica* on non-food contact surfaces in 60 seconds.
- Meets efficacy standards for hard, non-porous, non-food contact surface sanitizers.
- Sanitizes hard, non-porous [{non-food contact kitchen} {bathroom}] surfaces {and floors}.
- Specifically formulated to provide a high foam layer of protection {for foaming doorway sanitizers}.
- To ~~prevent~~~~reduce~~ cross contamination on treated surfaces, kitchenware and food contact surfaces of equipment must be washed, rinsed with potable water and sanitized after each use and following any interruption of operation during which time contamination may have occurred.

#### GENERAL MARKETING CLAIMS

**(Note to Reviewer:** *The following marketing claims may be used with the prefix "This product" or "This product is {a} {an}".*)

- Antibacterial.
- Can be applied through foaming apparatus, low-pressure sprayers {wet misting} systems. Follow manufacturers' instructions when using this equipment.
- Clear formula. **(Note to Reviewer:** *To be used only when no dyes are present*)
- Contains no [{abrasives} {bleach} {harsh acids} {phosphates}] {so it won't scratch surfaces}.
- Contains no fragrances. **(Note to Reviewer:** *to be used only with non-fragrance formulas*)
- Contains no phosphorous.
- Controls cross contamination from treated area to treated area when used as an entryway sanitizing system.
- Cross-contamination is of major housekeeping concern not only in hospitals, but also in schools, institutions and industry.
- Generates high foam.
- Foam carries active into the drain pipes.
- Foams without {using} additives.
- For {floor} {sink} drains and trough drainage systems.
- Formulated for effective mushroom farm sanitation.
- Formulated for effective poultry sanitation.
- Formulated for effective swine premise sanitation.
- Has been designed specifically where housekeeping is of prime importance.
- Has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.
- Is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.
- Is designed for use in pet salons and animal hospitals.
- Is effective against the control of small flies on hard, non-food contact surfaces such as floors, walls, drains, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas.
- Is for larger areas such as operating rooms and patient care facilities.

- Is for use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any hard, non-porous surfaces soiled by a pet.
- Is fragrance-free. (**Note to Reviewer:** *To be used only with non-fragrance formulas*)
- Is non-staining.
- No additional foam booster required.
- Non-abrasive formula will not [harm] [scratch] surfaces.
- Non-dulling formula eliminates the time and labor normally required for rinsing floors.
- Prevents stoppage and odors.
- Small [fruit] fly ovicidal treatment.
- Use this product to treat hard, non-porous **non-food** multi-touch surfaces responsible for cross-contamination.
- Utilizes a unique foaming surfactant system that is synergistically formulated to provide long lasting foam for contact on all surfaces.
- Will not harm sealed stone, sealed grout, or glazed tile.
- Will not harm most surfaces.
- Will not leave grit or soap scum.

#### CLEANING AND DEODORIZATION MARKETING CLAIMS

**(Note to Reviewer:** *The following marketing claims may be used with the prefix "This product".*)

- [Also] eliminates odors leaving surfaces smelling clean and fresh.
- [Also] [[removes] [eliminates]] odors [caused by] [[bacteria] [and] [and] [non-fresh foods]] [leaving [restroom] [kitchen] surfaces smelling clean and fresh].
- At 1 oz. of product per gal. of water ((or equivalent use dilution)) ((781 ppm)), this product is an effective foaming deodorizer in (medical facility) institutional sinks, floor drains and trunk lines.
- Can be used where odors are a problem.
- Cleans [Cleaner].
- Cleans [and shines] [without bleaching] [by removing dirt, grime and food soils in food preparation and processing areas] [everyday kitchen messes] [non-food contact kitchen surfaces and food preparation areas] [like dirt, grease and food stains].
- Cleans by removing dirt, grime, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities.
- Cleans rodent soiled areas.
- Cleans without bleaching.
- Cleans quickly by removing dirt, grime, food residue, body oils, dead skin, blood and other organic matter commonly found in (insert site from Locations).
- Controls odors caused by bacteria found in waterbed uses (Not for use in CA.)
- [[Controls] [reduces] [eliminates] [neutralizes] [destroys]] odors to make your [[home] [kitchen] [bathroom]] sanitary.
- Cuts through tough grease and grime.
- Deodorizes [Deodorizer] [Deodorant].
- Is a cleaner and [[deodorant] [odor-counteractant] [odor-neutralizer]] designed for [[general cleaning], [and] [disinfecting], [deodorizing]] on hard, non-porous surfaces.
- Is a one-step cleaner.
- Is effective against odors caused by animal waste, septic tank or sewage backup, smoke, bathroom and kitchen odors. (Not for use in CA.)
- Is effective against odors caused by smoke, bathroom and kitchen odors.
- Is formulated to provide effective cleaning strength that will not dull high gloss floor finishes with repeated use.
- Is for non-scratch cleaning of showers and tubs, shower doors and shower curtains, fixtures and toilet bowls.
- Is for use in work areas such as tool rooms and garages for odor control and light duty cleaning.
- Kills odor causing bacteria in the [[kitchen] [bathroom]].
- [[Malodor Activity] [Odor] [Counteract]] – [[eliminates] [destroys]] odors [and odor-causing bacteria on hard, non-porous surfaces in restroom areas, behind and under sinks and counters, and storage areas [and other [hard, non-porous] surfaces] where bacterial growth can cause malodors.]
- [[Maximizes] [improves]] labor results by effectively controlling odors.
- Neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.
- Non-Acid Bathroom Cleaner.
- Provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.
- Provides long lasting freshness against tough [pet] odors such as odors from litter boxes and pet accidents.
- Removes dirt.
- Removes and controls plugging and odors caused by accumulation of biofilm and other organic contaminants in drains.
- Will control unpleasant [[malodors] [odors]].
- Use where odors are a problem.



## 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}}.
- May be used in all types of foaming equipment that can deliver a {precise} dilution of 1:128 product to water.
- May be applied through foaming apparatus and low-pressure sprayers.
- 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 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.

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

~~**(Note to Reviewer (General Considerations):** *Numbered instructions will be used if label space permits, otherwise 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.*~~

**(Note to Reviewer: The following statement is to be used if any food premise locations are listed on the final label.)**

{Before using this product {in federally inspected meat and poultry food processing plants and dairies}, food products and packaging materials must be removed from the room or carefully protected.}

**(Note to Reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following FDA/EPA Memorandum of Understanding statements must be used.)**

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or, (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. {This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.}

(OR)

This product is not for use on medical device surfaces.

**(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 {{General} {or} {Hospital}} claims	1 oz. / gal. water	10 minutes
For Animal Virucidal* claims	1 oz. / gal. water	10 minutes
For Non-Food Contact Sanitizing claims	1 oz. / 4 gal. water	1 minute
For Non-Food Contact Sanitizing Claims (Foaming)	2 oz. / 4 gal. water	5 minutes

## GENERAL/HOSPITAL/HEALTH CARE/MEDICAL/NON-MEDICAL DISINFECTION

**FOR USE AS A {ONE-STEP} {GENERAL} {HOSPITAL} {MEDICAL} DISINFECTANT {VIRUCIDE\*} {CLEANER}:**

1. Pre-clean heavily soiled areas.
2. Apply use solution of 1 oz. of this product per gal. of water {{(or equivalent use dilution)}} to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop {by immersion}, {auto scrubber}, {{mechanical spray device}, {{{hand pump} {coarse}} trigger spray device}. For spray applications, spray 6-8 inches from surface. Do not breathe spray.}
3. Treated surfaces must remain wet for 10 minutes.
4. {{Wipe dry} {with a clean cloth} {or} {allow to air dry}}.{{Rinsing of floors is not necessary unless they are to be waxed or polished.}}
5. Prepare a fresh solution daily or when visibly dirty.

**SURGICAL INSTRUMENT PRESOAK:** [Add] [Mix] 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(780 ppm active)}. Place pre-cleaned instruments in solution to presoak surgical instruments for a minimum of 10 minutes, then proceed with normal sterilization procedure.

**Note:** Plastic instruments can remain immersed until sterilization. Metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle until sterilization. Prolonged soaking will cause damage to metal instruments. Surgical instruments must be sterilized before use.

## FOAMING DISINFECTANT DIRECTIONS

**FOAMING DISINFECTANT:** Using either the Lafferty Equipment Manufacturing, Inc.'s HV Foamer, Model #916105, or the Model A-25/A-50 Airless Foamer, set equipment according to the manufacturers' instructions to deliver 1:128 dilution of this product with water {(1 oz. of this product per gal. of water) {or equivalent use dilution}}. Apply foam onto hard, non-porous surface holding foaming {[nozzle] {wand}} towards surface. Allow foam to sit on surface for 10 minutes. Let surface air dry or rinse. Do not mix other foam additives to the disinfecting solution.

*(Use the following instructions when not using Lafferty equipment)*

**FOAMING DISINFECTANT:** Using a foam generator or similar device, set equipment according to manufacturers' instructions to deliver proper dilution of 1:128 dilution of this product with water {(1 oz. of this product per gal. of water) {or equivalent use dilution}}. Apply foam onto hard, non-porous surface. Allow foam to sit on surface for 10 minutes, then let air dry or rinse. Do not mix other foam additives to the disinfecting solution.

**FOAMING DISINFECTANT FOR {MEDICAL} SINK DRAINS, FLOOR DRAINS, TRUNK LINE SINKS AND DRAINAGE SYSTEMS:** [Thoroughly pre-clean drain with brush applicator prior to disinfection] [Thoroughly pre-clean drain with a vigorous physical method prior to disinfection] [Thoroughly pre-clean drain with brush applicator or other vigorous physical method prior to disinfection] Brush applicator bristles must be one inch in diameter larger than the inner diameter of the drain pipe.]. Disinfection will only occur on pre-cleaned surfaces of the drain. Using either the Lafferty Equipment Manufacturing, Inc.'s Foamer, Model #916105, or the, Model A-25/A-50 Airless Foamer, set equipment according to the manufacturers' instructions to deliver a 1:128 dilution of this product with water {(1 oz. of this product per gal. of water) {or equivalent use dilution}}. Apply foam into drain, hold foaming nozzle (wand) to sink, floor drain or into drainage (opening) trough. Hold foaming discharge nozzle against or in drain opening to assure foam does not back up out of drain. Foam for at least 10 seconds or longer depending upon length of drainpipe to disinfect. Foam must completely fill pipe and push water through the (J) trap or other such catch device. Allow foam to sit on drain surface for 10 minutes, then let air dry or rinse. Do not mix other foam additives to the disinfecting solution. A small amount of water must be flushed down the drain to refill the (J) trap. Repeat use at least weekly or as needed to control (listed) organism growth.

*(Use the following instructions when not using Lafferty equipment)*

Thoroughly pre-clean drain with brush applicator prior to disinfection. Brush applicator bristles must be one inch in diameter larger than the inner diameter of the drain pipe. Disinfection will only occur on pre-cleaned surfaces of the drain. Using a foam generator or similar device, set equipment according to the manufacturers' instructions to deliver a 1:128 dilution of this product with water {(1 oz. of this product per gal. of water) {or equivalent use dilution}}. Apply foam into drain or drainage (opening) trough by holding foaming nozzle (wand) to floor drain or into drainage (opening) trough. Hold foaming discharge nozzle against or in drain opening to assure foam does not back up out of drain. Foam for at least 10 seconds or longer depending upon length of drainpipe to disinfect. Foam must completely fill pipe and push water through the (J) trap or other such catch device. Allow foam to sit on drain surface for 10 minutes, then let air dry or rinse. Do not mix other foam additives to the disinfecting solution. A small amount of water must be flushed down the drain to refill the (J) trap. Repeat use at least weekly or as needed to control (listed) organism growth.

## SANITIZING

### NON-FOOD CONTACT SURFACE SANITIZING DIRECTIONS

**NON-FOOD CONTACT SURFACE SANITIZING:** Pre-clean heavily soiled surfaces. Add [1 oz.] [one - 1 oz. packet] of this product per 4 gal. of water {(200 ppm active)} {(or equivalent use dilution)}. Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, [by immersion], [auto scrubber], [mechanical spray device.] [hand pump] [coarse] trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 1 minute. Prepare a fresh solution daily or when visibly dirty.

**{SHOE} {BOOT} {ENTRYWAY} {BATH} SANITIZER DIRECTIONS:** To ~~reduce~~~~prevent~~ cross contamination on treated surfaces [from] [area to area,] [in] [animal areas,] [entryways] [and] [the packaging and storage areas of food plants,] shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1 oz. of this product per 4 gal. of water {(or equivalent use dilution)} {(200 ppm active)} use solution [or allow to remain wet] for 1 minute prior to entering area. Prepare a fresh solution daily or when visibly dirty.

**FOR FOOT DIP OF WATERPROOF FOOTWEAR:** Use this product at 1 oz. per 4 gal. of water in foot dip tray. Shoe baths must contain at least 1 inch of freshly made solution and be placed at the entrances to buildings. Scrape shoes and place in diluted solution {or allow to remain wet} for 1 minute before entering building. Prepare a fresh solution daily or when visibly dirty.

**SHOE FOAM DIRECTIONS:** To ~~reduce~~prevent cross contamination on treated surfaces {{from area to area,} {in} {animal areas,} {entryways} {and} {the packaging and storage areas of food plants,}} apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 oz. of this product per gal. of water {(or equivalent use dilution)} {(780 -1170 ppm active)} at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area {or allow to remain wet} for 1 minute prior to entering area. Foam area must be washed and replaced daily or when it appears visibly soiled or dirty.

**SHOE SPRAY SANITIZING DIRECTIONS:** For heavily soiled [{work boots} {shoes} {footwear}], [{scrape} {wipe}] with brush, sponge or cloth {or Neat Feet Clean Solution Welcome Mat} to remove excess dirt.

1. Hold pre-mixed sanitizer solution of 1 oz. of this product per 4 gal. 4-6 inches away from sole of {waterproof} [{work boot} {shoe} {footwear}].
2. Lightly spray sole to thoroughly wet entire surface.
3. Repeat procedure on other sole.
4. Treated surfaces must remain wet for 1 minute.
5. [{Allow to air dry} {Wipe up} {Absorb} excess product {with clean cloth} {by stepping on Neat Feet Clean Shoe Solution Welcome Mat}].

*(For food processing or other facilities that have installed entryway sanitizing systems.)*

**ENTRYWAY SANITIZING SYSTEMS:** To ~~reduce~~prevent cross contamination on treated surfaces from area to area, set the system to deliver 1.25 – 2.5 oz. of this product per 2.5 gal. of water {(or equivalent use dilution)} of sanitizing solution. The [{spray} {foam}] must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives with the sanitizing solution.

**FLOOR DRAIN AND DRAINAGE SYSTEMS FOAMING SANITIZER:** [{Thoroughly pre-clean drain with brush {applicator} {sponge, rag or means as specified on the cleaner product label} {or other vigorous physical method} {Thoroughly pre-clean drain with a vigorous physical method}] prior to sanitization. Sanitization will occur only on pre-cleaned surfaces of the drain. Using either the Lafferty Equipment Manufacturing, Inc.'s HV Foamer, Model #916105, or the, Model A-25/A-50 Airless Foamer, set equipment according to the manufacturers' instructions to deliver a 1:256 dilution of this product with water {(0.5 oz. of this product per gal. of water} {or equivalent use dilution}). Apply foam into drain by holding foaming nozzle (wand) to floor drain or into drainage (opening) trough. Hold foaming discharge nozzle with attached drain cover footplate snug against drain opening to assure foam does not back up out of drain. Foam for at least 6 seconds or longer depending upon length of drainpipe to sanitize. Lafferty foaming equipment will fill an 8-foot run of four inch pipe for every 6 seconds of application. Foam will completely fill pipe and push water through the (J) trap or other such catch device. Allow the drain to sit for a minimum of 5 minutes before use. Drain can then be returned to service with or without rinsing. It is recommended that a small amount of water be flushed down the drain to refill the (J) trap. Repeat use at least weekly or as may be needed to control (listed) organism growth. Do not mix other foam additives to the sanitizing solution.

*(Use the following instructions when not using Lafferty equipment)*

**FLOOR DRAIN AND DRAINAGE SYSTEMS FOAMING SANITIZER:** [{Thoroughly pre-clean drain with brush {applicator} {sponge, rag or means as specified on the cleaner product label} {or other vigorous physical method} {thoroughly pre-clean drain with a vigorous physical method}] prior to sanitization. Sanitization will occur only on pre-cleaned surfaces of the drain. Using a foam generator or similar device, set equipment according to manufacturers' instructions to deliver a dilution of 1:256 dilution of this product with water {(0.5 oz. of this product per gal. of water} {or equivalent use dilution}). Apply foam into drain or drainage (opening) trough by holding foaming nozzle (wand) to drain or drainage (opening) trough. Foam for at least 10 seconds or longer depending upon length of drain pipe to sanitize. Check with foam equipment manufacturer for exact time to fill length of drain pipe requiring sanitizing. Foam will completely fill pipe and push water through the (J) trap or other such catch device. Allow the drain to sit for a minimum of 5 minutes before use. Drain can then be returned to service with or without rinsing. It is recommended that a small amount of water be flushed down the drain to refill the (J) trap. Repeat use at least weekly or as may be needed to control (listed) organism growth. Do not mix other foam additives to the sanitizing solution.

## FOOD PROCESSING PREMISES

**FOR USE AS A DISINFECTANT {CLEANER} IN [{FOOD PROCESSING PLANTS/PREMISES} {TOBACCO PREMISES} {FOOD SERVICE ESTABLISHMENTS} {FOOD STORAGE AREAS AND EQUIPMENT}]:**

1. Pre-clean heavily soiled areas.
2. Apply use solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)} to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, {by immersion}, {auto scrubber}, {{mechanical spray device,} {{{hand pump} {coarse}} trigger spray device}. For spray applications, spray 6-8 inches from surface. Do not breathe spray.
3. Treated surfaces must remain wet for 10 minutes.
4. [{Wipe dry} {with a clean cloth} {or} {allow to air dry}.] {Rinsing of floors is not necessary unless they are to be waxed or polished.}
5. When disinfecting food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to ~~cleantreat~~ the following surfaces: utensils, glassware, dishes or interior surfaces of processing equipment.

**Note:** All food contact surfaces such as appliances and kitchen countertops must be rinsed with potable water after treatment. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

## ANIMAL PREMISES

**{ANIMAL PREMISES :}**

*(Note to reviewer: The following statement will be used on all labels with use directions for animal premises.)*

Prior to use of this product, remove all animals {poultry} and feeds from [{premises} {areas to be treated}], animal transportation vehicles {(trucks, cars)}, and enclosures {(coops, crates, kennels, stables)}. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

**FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE\*:** Apply a use solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)} to disinfect hard, non-porous surfaces with a sponge, brush, cloth, {by immersion}, {mechanical spray device,} {{{hand pump} {coarse}} trigger spray device}. Immerse all halters and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the use solution. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house [{animals} {poultry} {livestock}] or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

**HATCHERIES:** Use to treat hachers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard, non-porous surfaces. Use 1 oz. of this product per gal. of water. Leave all hard, non-porous treated surfaces wet for 10 minutes or more. Allow to air dry.

**VEHICLES:** Clean all vehicles including mats, crates, cabs, and wheels with water and this product. Use 1 oz. of this product per gal. of water. Apply use solution to treat all vehicles. Leave treated surfaces wet for 10 minutes or more. Allow to air dry.

**DRESSING {/RENDERING} PLANT:** Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate all hard, non-porous surfaces with a solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)} and scrub to loosen all soils. Surfaces must remain wet for 10 minutes, and then be thoroughly rinsed with potable water before operations are resumed.

**FOAM DISINFECTANT OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS:** Prepare 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(780 ppm active)} into bottle and attach bottle to spray nozzle (wand) follow manufacturer instructions to deliver a 1:128 dilution {{{1 oz. of this product per gal. of water} {or equivalent use dilution}}}. Apply foam onto walls, floors, ceilings and other hard, non-porous surfaces. Surfaces must remain wet for ten (10) minutes. Scrub using a brush, mop, sponge or cloth as necessary. Rinse surfaces thoroughly and let air dry.

## SANITIZER DIRECTIONS FOR HARD, NON-POROUS NON-FOOD CONTACT SURFACES IN ANIMAL PREMISES

**FOAM SANITIZER OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS:** Prepare 0.5 oz. of this product per gal. of water {(or equivalent use dilution)} into bottle and attach bottle to spray nozzle (wand) follow manufacturer instructions to deliver a 1:256 dilution {{{0.5 oz. of this product per gal. of water} {or equivalent use dilution}}}. Apply foam onto walls, floors, ceilings and other hard, non-porous surfaces. Surfaces must remain wet for 1 minute. Scrub using a brush, mop, sponge or cloth as necessary. Rinse surfaces thoroughly and let air dry.

## RESTROOM/BATHROOM

### NON-ACID TOILET BOWL {AND URINAL} DISINFECTANT {/CLEANING} DIRECTIONS

Remove heavy soil prior to disinfection.

**From a Concentrate:** Add 1 oz. of this product directly into the water in the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a toilet [{brush} {mop}], cloth, or sponge. Allow solution to stand for 10 minutes and flush.

**From a Use Solution:** Empty water out of toilet bowl or urinal and apply a use solution prepared by adding 1 oz. of this product per gal. of water to exposed surfaces, including under the rim with a toilet [{brush} {mop}], cloth, or sponge, {{{hand pump} {coarse}} trigger spray device}. {For spray applications, spray 6-8 inches from surface. Do not breathe spray.} Brush or swab thoroughly, then allow solution to stand for 10 minutes and flush.

**FOR HEAVY DUTY CLEANING OF TOILET BOWLS AND URINALS:** Pre-clean heavily soiled areas. Empty toilet bowl or urinal and apply 2 oz. of this product to exposed surfaces including under the rim with toilet [{brush} {mop}], cloth, or sponge, or mechanical spray device, {{{hand pump} coarse pump or trigger spray device}. To aid in soil removal, allow to soak. For sprayer application, spray 6-8 inches from surface. Brush or swab thoroughly and allow solution to stand for 10 minutes and flush.

**{DEEP} CLEANING/DISINFECTING [{WATERFREE} {WATERLESS}] URINALS:** Preliminary cleaning is required for heavily soiled surfaces. Remove and properly dispose of cartridge according to manufacturer's directions. Deep clean or disinfect the entire urinal by applying 1 oz. of this product per gal. of water {(or equivalent use dilution)} directly onto surface. [{Brush} {Scrub}] surfaces and let solution stand for 10 minutes. Wipe surface to clean. Change cartridge as needed. The unit is ready for use.

**TO CLEAN WATERFREE {/WATERLESS} URINALS:** Remove any debris from the urinal. Spray 0.5 to 1 oz. of use solution onto urinal surface. To prepare use solution: add 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(780 ppm active)}. DO NOT spray product directly onto cartridge. Wipe surface to clean. Change cartridge as needed. The unit is ready for use.

### FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply use solution of 1 oz. of this product per gal. of water {(780 ppm active)} {(or equivalent use dilution)} to floors, walls and ceilings making sure not to over spray. To disinfect, hard, non-porous surfaces must remain wet for 10 minutes.
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.
5. Prepare a fresh solution daily or when visibly dirty.

## DEODORIZATION/CLEANING

**FOR USE AS A {GENERAL} CLEANER {AND/OR DEODORIZER}:** Apply use solution of 1 oz. of this product per gal. of water to hard, non-porous surfaces. [{Rinse} {Wipe up excess liquid {with a paper towel}} {and} {or} {Allow to air dry}]. For heavy-duty use, [{add} {mix} {apply}] 2 oz. of this product per gal. to clean hard, non-porous surfaces.

**GENERAL DEODORIZATION:** To deodorize, apply 1 oz. of this product per gal. of water to hard, non-porous surfaces. [{Rinse} {Wipe up excess liquid {with a paper towel}} {and} {or} {Allow to air dry}].

**DRAIN/SINK FOAM DEODORIZATION:** When used as directed, this product removes and controls plugging and odors caused by accumulation of biofilm and other organic contaminants in drains. Deodorization will only occur on pre-cleaned surfaces of the drain. Thoroughly pre-clean drain with brush applicator prior to deodorization. Brush applicator bristles must be one inch in diameter larger than the inner diameter of the drain pipe. Using a foam generator or similar device, set equipment according to the manufacturers' instructions in order to deliver 1:128 dilution {(1 oz. of product per gal. of water)} {(or equivalent use dilution)} {(780 ppm)}. Hold foaming nozzle (wand) to floor drain or into drainage (opening) trough, apply foam into drain or drainage (opening) trough. Hold foaming discharge nozzle against or in drain opening to assure foam does not back up out of drain. Foam for at least 10 seconds or longer depending upon length of drainpipe to deodorize. Foam must completely fill pipe and push water through the (J) trap or other such catch device. Allow foam to sit on drain surface for 10 minutes, then let air dry or rinse. Do not mix other foam additives to the deodorizing solution. A small amount of water must be flushed down the drain to refill the (J) trap. Repeat use at least weekly or as needed to control odors.

## CARPET CLEANING

**SPECIAL INSTRUCTIONS FOR CLEANING CARPETS:** This product can be used to clean carpets in industrial, institutional and commercial areas such as motel & hotel chains, nursing homes, schools and hospitals. For use on wet, cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

**For Portable Extraction Units:** Mix 1 oz. of this product per gal. of water {(or equivalent use dilution)}.

**For Truck Mounted Extraction Machines:** Mix 1oz. of this product per gal. of water {(or equivalent use dilution)} and meter at 5 gal. per hour.

**For Rotary Floor Machines:** Mix 1 oz. of this product per gal. of water {(or equivalent use dilution)} and apply at the rate of 300-500 sq. ft. per 1 gal.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

**CARPET {{CLEANING} {/DEODORIZING (Not for use in CA.)}} FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE:** This product [[cleans] {and deodorizes}] the carpet. It can be used in industrial, institutional, and commercial areas such as motels, hotel chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Mix 1 oz. per gal. of water {(or equivalent use dilution)}. Follow the injection and/or extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 1 oz. of this product per gal. of water and spray on carpet at a rate of 300-500 sq. ft. per 1 gal.

[[For use] {Use this product}] on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply diluted product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to the cloth, a water-based product must not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

**Note:** This product must not be mixed with other cleaning products.

## WATER AND SMOKE DAMAGE RESTORATION

**SEWER BACKUP & RIVER FLOODING:** To use as a deodorizer, dilute 1.1 to 2.2 oz. of this product per gal. of water allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a mechanical spray device, {coarse trigger spray device} before and after cleaning and extraction. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Use proper ventilation; open windows. (Not for use in CA.)

**CARPETS, CARPET CUSHIONS, UPHOLSTERY, DRAPES AND OTHER POROUS MATERIALS, SUB FLOORS, DRYWALL, TRIM AND FRAME LUMBER, TACKLESS STRIP AND PANELING:** To use as a deodorizer against water damage, extract the excess water. Test hidden area for colorfastness. Dilute 1.1 to 2.2 oz. of this product per gal. of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a mechanical spray device {or coarse trigger spray device} to fully saturate affected materials. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Roll, brush or agitate into materials. Follow with a thorough extraction. Dry rapidly and thoroughly. (Not for use in CA.)

**[[WATER] {AND} {SMOKE}] DAMAGE RESTORATION:** Effective against odor caused by smoke and water damage for institutional, industrial and hospital use. This product is particularly suitable for use in water damage restoration. Dilute 1 oz. of this product per gal. of water, allowing for the diluting effect of absorbed water within saturated materials. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation. (Not for use in CA.)

## OTHER USES

**FOR CONTROL OF DROSOPHILA SPP. AND PHORIDAE FAMILY OF FLIES ON NON-FOOD CONTACT SURFACES:** To control flies on hard, non-porous non-food contact surfaces such as floors, walls, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, bars, kitchens, dishwashing areas, and bar and wait station areas and other food storage areas. After removing gross filth, apply a solution of [[3 oz.] {one 3-oz. packet}] of this product per 5 gal. of water {(or equivalent use dilution)} to surfaces and locations where flies breed. Spray surfaces thoroughly or apply by pouring, mopping or sponging onto the surface. Allow surface to remain wet for 10 minutes. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

**FOR CONTROL OF SMALL FLIES IN DRAINS:** For control of small flies: *Drosophila* spp. and the Phoridae family. Spray or pour solution of {{3 oz.} {one 3-oz. packet}} of this product per 5 gal. of water {{(or equivalent use dilution)}} into the drain during time of lowest level of drain use. Add 14 oz. of use solution daily to each drain to maintain fly control. Apply product around the edge of the drain and thoroughly coat inside of drain. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

#### **MUSHROOM FARM INDUSTRY USE DIRECTIONS**

**Site Preparation:** The first step in any ongoing sanitation program must be the removal of gross contamination and debris. This may be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

**Disinfection:** For heavily soiled areas, pre-clean first. Use {{1 oz.} {one - 1 oz. packet}} of this product per gal. of water {{(or equivalent use dilution)}} use solution. Wet all hard, non-porous surfaces thoroughly. Treated surfaces must remain wet for 10 minutes. Let air-dry. Prepare a fresh solution for each use.

**For Heavy Duty Cleaning:** When greater cleaning is desired, use 1.25 oz. of this product per gal. of water {{(or equivalent use dilution)}}. Heavily soiled areas will require repeated cleaning before treatment.

**DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING.** Rinse treated surfaces with potable water before they contact the crop, compost or casing.

### **ALTERNATE CONTAINER/DELIVERY SYSTEMS**

#### **AUTOMATED DILUTION SYSTEM {{(DILUTION SYSTEMS TRADE NAME)}} 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 into dispenser. {See dispenser instructions for proper placement of cartridge. {{Press button} {or} {turn knob}} to dispense *(Insert appropriate dilution from dilution table or 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 table or list. {See device instruction manual for more information.}*

(OR)

Attach sprayer unit to hose. 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 table or 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. First ensure the hose faucet is turned off.

#### **BAG-IN BOX CONTAINERS:**

**{How to use this package:}** 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.

**{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 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 packets only)*

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

## 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:** Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

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

*{For products with industrial, institutional, commercial use – May choose appropriate non-refillable/refillable statement.}*

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

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container *{(or equivalent)}* promptly after emptying. Triple rinse as follows: Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container *{(or equivalent)}* promptly after emptying. Triple rinse as follows: Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*{For non-refillable packets, Bag-In Box, and other sealed containers}*

*(Note to Reviewer: sealed containers are designed to reduce worker exposure to the concentrate. None of these types of containers can be triple rinsed because they are closed, welded, sealed containers.)*

Non-Refillable Container. Do not reuse or refill this container. Wrap empty container and put in trash or offer for recycling.

*{Refillable containers}*

Refillable Container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

## ENVIRONMENTAL HAZARDS

*(If container is equal to or greater than 5 gal., the following statement must appear on the label.)*

This product is toxic to fish and aquatic invertebrates. 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.

*(If container is less than 5 gal., use the following as an alternate to the above statement.)*

This product is toxic to fish and aquatic invertebrates.



## {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.}

## GRAPHICS AND ICONS

*(Note to Reviewer: These are representative icons for use sites/application methods that may appear on the label with the appropriate directions for use, PPE or package type.)*

{Picture of Bathroom}	{Picture of Toilet}	{Picture of Urinal}	{Picture of Sink}
{Picture of Carpet Cleaning Machine}	{Picture of Mop and Bucket}	{Picture of Laboratory Equipment}	{Picture of Gloved Hand and Spray Bottle}
{Picture of Gloved Hand and Towel}	{Picture of Toilet Brush}	{Disinfectant Logo}	{Baby Drowning in Bucket Warning Graphic}
{Recycling Logo}	{Made in USA Logo/Flag}		

*(Note to Reviewer: The following may be used only if the supplemental registrant has obtained a Kosher/NSF listing. Allowed on back or side panel only.)*

{Kosher Logo}, {NSF Logo}, {NSF Listed}

{{Insert 6-Digit NSF Listing Number Here}}

(Note to Reviewer: This is optional packet labeling.)

X OZ. (OR EQUIVALENT USE DILUTION) PACKET LABEL TO BE USED WITH MASTER CONTAINER LABEL

# MAQUAT® 710-HF

{FOR USE AS {A} {HOSPITAL DISINFECTANT} {GENERAL DISINFECTANT} {NON-FOOD CONTACT SANITIZER}  
NOT FOR RESALE

**ACTIVE INGREDIENTS:**

Alkyl (50% C14, 40% C12, 10% C16 ) .....  
Dimethyl Benzyl Ammonium Chloride ..... 4.0%  
Octyl Decyl Dimethyl Ammonium Chloride ..... 3.0%  
Didecyl Dimethyl Ammonium Chloride ..... 1.5%  
Dioctyl Dimethyl Ammonium Chloride ..... 1.5%

**OTHER INGREDIENTS:** ..... 90.0%

**TOTAL:** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER {PELIGRO}**

SEE {{OUTER CONTAINER} {INSERT}} FOR PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

MIX {EACH} (insert oz.) PACKET WITH (insert volume) OF WATER {TO MAKE (X) PPM SOLUTION}

*(Note to Reviewer: The following text is optional.)*

**{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.}**

**DISPOSAL:** Do not reuse or refill this container. Wrap empty container and put in trash.



**MASON CHEMICAL COMPANY**

*"The Quaternary Specialists"*

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EPA Reg. No. 10324-159 EPA Est. No.

NET CONTENTS: X FL. OZ.