

Q128 Detergent/Disinfectant

FRONT PANEL

ACTIVE INGREDIENTS

n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl ammonium chlorides	4.5%
n-Alkyl (68% C ₁₂ , 32% C ₁₄)	
dimethyl ethylbenzyl ammonium chlorides	4.5%

INERT(OTHER) INGREDIENTS.....	91.0%
Total	100.0%

NET CONTENTS(:) 128oz (ounces) 1 gallon

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If in Eyes:	<ul style="list-style-type: none"> x Hold eye open and rinse slowly and gently with water for 15-20 minutes. x Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. x Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> x Take off contaminated clothing. x Rinse skin immediately with plenty of water for 15-20 minutes. x Call poison control center or doctor for treatment advice.
If Swallowed:	<ul style="list-style-type: none"> x Call poison control center or doctor immediately for treatment advice. x Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled:	<ul style="list-style-type: none"> x Move person to fresh air. x If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. x Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

EPA REG. NO. 1839-96

Ultra Chem Labs Corp,
4581 Brickell Privado Stret
Ontario, CA 91761

MARKETING CLAIM

General

- x DISINFECTANT
- x CLEANER
- x DETERGENT
- x *VIRUCIDE
- x FUNGICIDE (against pathogenic fungi)
- x MILDEWSTAT (on hard, inanimate surfaces)
- x DEODORIZER
- x **KILLS GERMS
- x Effective in the presence of 5% serum contamination
- x For Home, Hospital, Institutional and Industrial Use
- x For Farm, School, Restaurant, Food Handling and Processing Areas,
- x Equine, Poultry/Turkey Farm, Bar, Tavern and Institutional Kitchen Use
- x Formulated for Effective Farm Premise Sanitation
- x Formulated for Effective Poultry Premise Sanitation
- x Formulated for Effective Swine Premise Sanitation
- x Formulated for Effective Veterinary Practice/Animal Care/Animal Laboratory Disinfection
- x Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu)
- x Q128 is for use in institutional kitchens and bathrooms.
- x Q128 has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but in schools, institutions and industry.
- x Q128 is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses.
- x Q128 may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.
- x Q128 has demonstrated virucidal efficacy against Hepatitis B (HBV), Hepatitis C (HCV) and Human Immunodeficiency Virus (HIV-1) on hard inanimate, environmental surfaces.
- x Q128 is to be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, greenhouse packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause:
 1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
 2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria.
- x Q128 is for Poultry Premise Sanitation (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	

- x Q128 is for Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery Chutes	
- x When used as directed, Q128 will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- x Q128 deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, behind and under sinks and other areas where bacterial growth can cause malodors.
- x Q128 Detergent/Disinfectant is a phosphate free formulation designed to provide effective cleaning, deodorization, and disinfection specifically for surfaces (refer to pages 8-10) where housekeeping is of prime importance in controlling the hazard of cross contamination.
- x Q128 is formulated to disinfect hard, non-porous, inanimate environmental surfaces: (refer to pages 8-10)
- x Q128 deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms.
- x Q128 is a non-abrasive (non-scratch) cleaner for showers, tubs, shower doors, shower curtains, fixtures and toilet bowls.
- x Q128 neutralizes on contact musty odors and tough odors from smoke, pet accidents, and spills.
- x Q128 is formulated to effectively eliminate offensive odors caused by mold and mildew.
- x Q128 (controls) (reduces) (eliminates) (destroys) odors to make your home (kitchen) (bathroom) sanitary.
- x Q128 is effective against household odors by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.
- x Q128 is to be used in work areas such as tool rooms and garages for odor control and light duty cleaning.
- x Kills Athlete's Foot fungus on bathroom surfaces.
- x Kills common kitchen (bathroom) germs (and viruses).
- x Q128 controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.
- x Q128 is to be used in work areas such as garages for odor control and light duty cleaning.
- x Cleans everyday kitchen messes (surfaces).
- x Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Remove (eliminates) odors. Deodorizes.

- x Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).
- x Q128 is an economical concentrate that is to be used with a mop and bucket, hand pump trigger sprayer, low pressure coarse sprayer or sponge.
- x Floor cleaner.
- x One step cleaner.
- x Cleans and shines.
- x Q128 contains no phosphorous.

MARKETING CLAIMS

DISINFECTION CLAIMS

- x Q128 is a one step detergent disinfectant that is effective against a broad spectrum of bacteria, virucidal* (including HIV-1, HBV and HCV) and inhibits the growth of mold and mildew and their odors when used as directed.
- x Q128 meets AOAC Use-Dilution Test Standards for hospital disinfectants.
- x Q128 is to be used as a disinfectant on hard, non-porous, environmental surfaces (at 703 ppm active).
- x When used as directed, Q128 is a concentrated hospital use disinfectant that is an effective broad spectrum bactericide and virucide*.
- x Q128 is a versatile disinfectant for veterinarian and animal care.
- x Q128 is a multi-surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.
- x Q128 cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.
- x Q128 is a versatile cleaner and broad spectrum disinfectant formulated for use on bath and therapy equipment (whirlpools).
- x Q128 is a versatile broad spectrum disinfectant formulated for use in Ultrasonic Baths.
- x Use Q128 to clean and disinfect non-porous personal protective safety equipment, protective headgear, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Caution: Cleaning at the 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)
- x When used as directed, Q128 will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers, design and packing benches and counter tops.
- x Use Q128 to clean, disinfect and deodorize flower buckets, walls and floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.
- x Use Q128 to disinfect non-porous salon/barber tools and instruments: combs, brushes, scissors, blades, and manicure instruments.
- x Q128 cleans, deodorizes and disinfects all hard non-porous household surfaces. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.
- x Disinfects kitchen (bathroom) surfaces. Kill germs. Kills household bacteria.
- x For large areas such (refer to pages 8-10) Q128 is designed to (clean and disinfect) (provide both general cleaning and disinfecting)
- x EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

- x *KILLS HIV-1, HBV and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1, Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).
- x Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. Q128 is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- x Q128 has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- x Q128 has demonstrated effectiveness against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- x Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).
- x Kills Pandemic 2009 H1N1 Influenza A virus.

CLAIM QUALIFIERS

*Q128, when used on environmental, inanimate, hard, non-porous surfaces at 1 ounce per gallon of water, exhibits effective virucidal activity against (refer to virus list pages 13-14).

**Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella enterica, (refer to virus list pages 13-14).

¹ For use on non-food contact use site(s) only

²Q128 or 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. Or Q128 or product is not for use on critical and semi- critical medical device surfaces.

SURFACES & USE SITES

Hard, non-porous surfaces:

NOTE: Q128 may be applied to food contact surfaces as indicated in the disinfection of food service establishment food contact surfaces directions for use. The surface must be thoroughly rinsed with potable water after disinfection.

Automobile Exteriors	Garbage(cans)(pails)	Shelves ¹
Bathrooms	Glass ¹	Showers; Doors, Stalls and Curtains
Bathroom Fixtures	Glazed Ceramic	Sinks (Basins)
(Bath)tubs	Glazed Porcelain	Stainless Steel ²
Bed Frames	Glazed Tiles	Stovetops
Cabinets	Kennels	Tables
Cages	Kitchens	Telephones
Carts ¹	Kitchen Appliance Exteriors; Microwaves, Refrigerators, Stoves, Other	Toilets
CAT	Metal ²	Toilet Bowls
Chairs	Mirrors	Traction Devices
Chrome	MRI	Tubs
Coolers	Outdoor Furniture	Urinals
Desks	Paddles	Ultrasonic Baths
Dining Rooms	Picnic Tables	Vanity Tops
Door knobs (and pulls)	Plastic	Vinyl
Examining Tables	Racks ¹	Walls
Faucets	Scales	Wheelchairs
Fiberglass	Sealed Granite	Whirlpool Baths
Floors	Sealed Marble	Windows
Freezer Exteriors	Sealed Stone	

Use Sites:

Acute Care Institutions	Churches	Hair/Nail/Pedicure Salons
Airline Terminals	Classrooms	Heliport Transportation Terminals
Airplanes	Cocktail Lounges ¹	Hotels
Airports	Coffee Shops ¹	Households
Alternate Care Institutions	Colleges	Hog Farms
Anesthesia Rooms	Commercial Florist	Home Healthcare Institutions
Animal Life Science Laboratories	Convenience Stores	Hospitals
Art Galleries	Courthouses	Institutional Facilities
Athletic Facilities	Crime Scenes	Institutions
Attics	Cruise Lines	Isolation Wards
Auto Repair Centers	Day Care Centers	Jails
Automotive Garages	Day Care Nurseries	Kennels
Autopsy Rooms	Day Care Sick Rooms	Kitchens; Household and Institutional ¹
Bagel Stores ¹	Dental Offices	Laboratories
Banks	Department Stores	Laundries
Barber/beauty Shops	Donut Shops	Libraries
Bars ¹	Dressing Rooms	Life Care Retirement Communities
Basements	Education Institutions	Liquor Stores
Bathrooms	Egg Processing Plants ¹	Living Rooms
Bedrooms	Emergency Rooms	Locker Rooms
Bicycle Shops	EMS Facilities	Lodging Establishments
Boats	Equine Farms	Manufacturing Facilities
Breeding and Grooming Establishments	Facial Salons	Massage Salons
Business Buildings	Factories	Mausoleums
Burial Vaults	Fast Food Operations ¹	Medical Offices
Bus Stations	Fire Facilities	Medical Research Facilities
Buses	Flower Shops	Mobile Homes
Bookstores	Food Processing Plants ¹	Mortuaries
Restaurants ¹	Food Service Establishments ¹	Movie Houses
Cafeterias ¹	Food Storage Areas ¹	Municipal Government Buildings
Camp Grounds ¹	Footbaths	Museums
Campers	Funeral Homes	Newborn Nurseries
Cars	Garages	Nursing Homes
Cellars	Gift Shops	Operating Rooms

Use Sites, continued:

Photocopy Centers	Post Offices	Tanning Spas (Salons)
Picnic Facilities ¹	Recreational Facilities	Tattoo Parlors
Pizzerias ¹	Recycling Centers and Equipment	Taverns ¹
Play Grounds	Health Clubs	Taxis
Poultry Farms	Respiratory Therapy	Toy Stores
Prisons	Restrooms	Trailers
Recovery Rooms	Retail Businesses	Train Stations
Office Buildings	Retail Establishments	Trains
Operating Rooms	School Administration Offices	Transportation Terminals
Orthopedics	Schools	Turkey Farms
Patient Care Facilities	Shipping Terminals	Universities
Patient Care Rooms	Ships	Veterinary Clinics
Performance/Theatre Centers	Spas	Video Stores
Pet Animal Quarters	Shopping Malls	Whirlpools
Pet Shops	Sports Areas	Wholesale Establishments
Police Stations	Sports Complexes	X-RAY CAT laboratories
Porches	Sport Stadiums	Zoos

MICRO-ORGANISMS

Q128 has been tested and found to be efficacious against the following microorganisms on hard, non-porous surfaces:

DISINFECTION	
Bacteria	Contact Time
Pseudomonas aeruginosa	10 minutes
Escherichia coli	10 minutes
Klebsiella pneumoniae	10 minutes
Salmonella schottmuelleri	10 minutes
Salmonella enterica	10 minutes
Streptococcus salivarius	10 minutes
Brevibacterium ammoniagenes	10 minutes
Streptococcus faecalis	10 minutes
Shigella dysenteriae	10 minutes
Enterobacter aerogenes	10 minutes
Staphylococcus aureus	10 minutes
Salmonella typhi	10 minutes
Streptococcus pyogenes	10 minutes
Streptococcus pyogenes (Clinical-Flesh Eating Strain Bird M3)	10 minutes
Vancomycin intermediate resistant Staphylococcus aureus (VISA)	10 minutes
Methicillin resistant Staphylococcus aureus (MRSA)	10 minutes
Viruses	Contact Time
Bovine Viral Diarrhea Virus (BVDV)	10 minutes
Feline Calicivirus (FCV)	10 minutes
Hepatitis B Virus (HBV)	10 minutes
Hepatitis C Virus (HCV)	10 minutes
Herpes Simplex Type 1	10 minutes
Human Coronavirus	10 minutes
Human Immunodeficiency Virus Type 1 (HIV-1)	10 minutes
Influenza A/Brazil	10 minutes
Influenza A ₂ /Japan	10 minutes
Norovirus (Norwalk Virus)	10 minutes
Pandemic 2009 H1N1 Influenza A Virus	10 minutes
Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) (Strain NVSL)	10 minutes
Vaccinia Virus	10 minutes

Fungi, Mold and Mildew	Contact Time
Trichophyton mentagrophytes	10 minutes

PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER.

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Maybe fatal if inhaled. Do not breathe (vapor or spray mist). Wear goggles or face shield, rubber gloves, and protective clothing. Harmful if swallowed or absorbed through skin. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

Q128 is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing Q128 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 Q128 to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Contains no phosphorous.

STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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 – Non-refillable container. Do not reuse empty container. Triple rinse empty container with water. Return metal drum or offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling, if available.

DIRECTIONS FOR USE

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It is a violation of Federal Law to use Q128 in a manner inconsistent with its labeling.

DISINFECTION - To disinfect inanimate, hard, non-porous surfaces add 1 ounce of Q128 per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Surfaces which may contact food must be rinsed thoroughly with potable water after use.

***VIRUCIDAL ACTIVITY** – Q128, when used on environmental, inanimate, hard, non-porous surfaces at 1 ounce per gallon of water, exhibits effective virucidal activity against Influenza A₂/Japan (representative of the common flu virus), Herpes Simplex Type 1 (causative agent of fever blisters), Vaccinia virus (representative of the Pox virus group), Influenza A/Brazil, Human Immunodeficiency Virus Type I (HIV-1), Bovine Viral Diarrhea Virus (BVDV), Human **Coronavirus** (ATCC VR-740, Strain 229E), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Norovirus (Norwalk Virus), Feline Calicivirus (FCV) and Porcine Respiratory & Reproductive Syndrome Virus (PRRSV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of (Q128 or product name).

CONTACT TIME: HIV-1 is inactivated after a 1 minute contact time. HBV and HCV are inactivated after a 10 minute contact time.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

FUNGICIDAL ACTIVITY - At the 1 ounce per gallon dilution, Q128 is also fungicidal against the pathogenic fungi, Trichophyton mentagrophytes (Athlete's Foot Fungus), when used as directed on hard surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard, non-porous, surfaces commonly contacted by bare feet.

BACTERICIDAL ACTIVITY - When diluted at the rate of 1 ounce per gallon of water, Q128 exhibits effective disinfectant activity against the organisms: Pseudomonas aeruginosa PRD 10, Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelleri, Salmonella enterica, Streptococcus salivarius, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, Enterobacter aerogenes, Staphylococcus aureus, Salmonella typhi, Streptococcus pyogenes, Streptococcus pyogenes (Clinical–Flesh Eating Strain Bird M3), Vancomycin intermediate resistant Staphylococcus aureus (VISA), and Methicillin resistant Staphylococcus aureus (MRSA), and meets all requirements for hospital use.

BACTERICIDAL STABILITY of USE-DILUTION: Efficacy tests confirm that (Q128) when diluted as directed remains effective against Pseudomonas aeruginosa, Staphylococcus aureus and Salmonella enterica for (up to 7 days) (up to 1 week) (up to 14 days) (up to two weeks) (up to 21 days) (up to 3 weeks) (up to one month) (up to 30 days) (up to 4 weeks) when stored in a sealed container such as a spray bottle. If the (use-dilution) (use-solution) (diluted product) becomes visibly dirty or contaminated, it must be discarded and fresh (use-dilution) (use-solution) (diluted product) must be prepared. Always use clean, properly labeled containers when diluting Q128

Bactericidal stability of the (use-dilution) (use-solution) (diluted product) does not apply to open containers such as buckets or pails.

(or)

Prepare a fresh (use-dilution) (use-solution) daily or more often if the (use-dilution) (use-solution) becomes visibly dirty or diluted.

(or)

Prepare a fresh solution for each use.

SITE AND APPLICATION SPECIFIC DIRECTIONS FOR USE

To disinfect toilet bowls: flush toilet, add 1 ounce of Q128 directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

Non-Acid Toilet Bowl Disinfection/Cleaner Directions: Remove gross filth prior to disinfection.

From concentrate: Add 1 ounce per gallon to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

From use-solution: Empty toilet bowl or urinal and apply 1 ounce per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.

For heavy duty use: Empty toilet bowl or urinal and apply 4 ounces per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.

To disinfect food processing premises: Before using Q128, food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 1 ounce of Q128 per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

To disinfect food service establishment food contact surfaces: Before using Q128, food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 1 ounce of Q128 per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. Q128 cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

GLASS CLEANING: Dilute 1 oz. of product per gallon of water (or equivalent dilution). Spray onto glass surface. Use through a coarse hand pump trigger sprayer device. Do not breathe spray. Wipe dry with an absorbent cloth or towel.

POULTRY (AND SWINE) PREMISE SANITATION

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

The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated, thoroughly clean all surfaces with soap or detergent and rinse with water.

Cleaning and Disinfection: For all general cleaning and disinfection use 1 ounce of Q128 per gallon of water. Apply Q128 using a cloth, mop, hand pump trigger sprayer or low pressure coarse sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution after each use.

APPLICATIONS AND USE DILUTION

Poultry (And Swine) Premise: Remove all animals and feeds from premises, trucks, cars, coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 1 ounce of Q128 per gallon of water. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse. 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.

Hatcheries: Use 1 ounce of Q128 per gallon of water to treat the following hard non-porous surfaces: hatching, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse with potable water before reuse. Then allow to air dry.

Vehicles: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and Q128. Use 1 ounce per gallon to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

Shoe Bath Directions: Shoe baths containing one inch of freshly made solution should 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 1 ounce of Q128 per gallon of water solution for 60 seconds prior to entering area. Change the use-solution in the bath daily or sooner if solution appears dirty.

Dressing Plant Use: 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 gross soils. Saturate all surfaces with the use-solution, 1 ounce of Q128 per gallon of water. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection Directions: For cleaning and disinfecting the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1 ounce of Q128 per gallon of water (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Farm Premise Use: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure 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 appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 1 ounce of Q128 per gallon of water (or equivalent dilution) for a period of 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 in removing litter and manure. Ventilate buildings, cars, trucks, boats 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.

Ultrasonic Bath Disinfectant Directions: Use Q128 to disinfect hard non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 1 ounce of Q128 per gallon of water directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

Disinfection of Hard Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 1 ounce of Q128 for each gallon of fresh water added. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

Commercial Florist Use Directions: To clean, disinfect and deodorize hard non-porous surfaces in one step, prepare use-solution by adding (mixing) 1 ounce per gallon of water. For heavy-duty use, add (mix) 4 ounces per gallon of water.

Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use-solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as required, with a cloth, mop, brush, sponge or sprayer.

For heavily soiled areas, a preliminary cleaning is required.

For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray mist.

Treated surfaces must remain wet for 10 minutes. Allow to air dry.

Prepare a fresh solution at least daily or sooner if use-solution becomes visibly dirty.

Disinfection of Barber/Salon Tools Directions: Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a 1 ounce of Q128 per gallon of water use-solution (or equivalent dilution) (703 ppm active quaternary) for at least 10 minutes. Rinse instruments thoroughly and dry before reuse. A fresh use-solution should be prepared daily or more often if the use-solution becomes cloudy or soiled.

NOTE: Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean non-contaminated receptacle. Prolonged immersion may cause damage to stainless steel or metal instruments.

Cleansing of Body Surfaces and Body Orifices of Human Remains: To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, and to remove and reduce surface contamination, apply 4 ounces of Q128 to 4 gallons of water (1 ounce per gallon of water) (703 ppm active quaternary) (or equivalent dilution) to the surfaces and body openings, natural or artificial. Allow 10 minute contact time for optimal results. Bathe the entire body using a sponge or washcloth. A soft brush may be employed on surfaces other than the face. Prepare a fresh solution for application to each remains.

MILDEWSTAT - To Control Mold and Mildew on Large, Inflatable, Non-Porous Plastic and Rubber Structures (animals, promotional items, moonwalk, slides, obstacle course play equipment, exercise equipment, and wrestling mats): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 4 ounces of Q128 per 4 gallons of water (1 ounce per gallon of water) (703 ppm active quaternary) (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

GENERAL CLEANING – Apply Q128 to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. Q128 can be diluted at 1 ounce per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

DEODORIZATION - To deodorize, apply this product (product name) as indicated under the heading DISINFECTION.

Cleaning/Deodorizing Directions:

Add 0.5 to 1 ounce per gallon of water to clean and deodorize windows, mirrors and glass surfaces.

Use a coarse spray device. Spray 6-8 inches from surface, rub with sponge or cloth. Do not breathe spray mist.

General Deodorization: To deodorize, add 1 ounce of Q128 to one gallon of water (or equivalent use dilution) (703 active quat). Allow to air dry.

For Deodorizing Garbage Cans, Garbage Trucks, Industrial Waste Receptacles, and Garbage Handling Equipment: It is especially important to pre-clean for the product to perform properly. Then apply a wetting concentration of 3.5 ounces of Q128 per gallon of water (or equivalent use dilution) (2,460 ppm quat active).

For Odors Caused by Dogs, Cats and Other Domestic Animals: Use on rugs floors, walls, tile, cages, crates, litter boxes, mats, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for General Deodorization.

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

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

(Not for use in California)

WATER AND SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

Q128 is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Mix 1 ounce of Q128 per gallon of water, saturate affected materials with enough use-solution to remain wet for at least 10 minutes. Use proper ventilation.

Sewer backup & river flooding: During mitigation procedures, dilute 1 to 2 ounces of Q128 per gallon 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 sprayer using a coarse spray tip, before and after cleaning and extraction.

Carpets, carpet cushions and other porous materials such as sub floors, drywall, trim and frame lumber, tackless strip and paneling: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Mix 1 to 2 ounces of Q128 per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: Q128 may be used in industrial and institutional areas: motels and hotels, 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 colorfastness.

For portable extraction units: Mix 1 ounce of Q128 per gallon of water.

For truck mounted extraction machines: Mix 24 ounces of Q128 per gallon of water and meter at 4 gallons per hour.

For rotary floor machines: Mix 2 ounces of Q128 per gallon of water and apply at the rate of 300-500 sq. ft. per gallon.

Do not mix Q128 with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using Q128, 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 Deodorizer against Odor-Causing Bacteria for Institutional, Industrial and Hospital Use: Q128 deodorizes the carpet by controlling/reducing the growth of odor-causing bacteria. It can be used in industrial and institutional areas: motels, hotels chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Mix 1 ounce of Q128 per gallon of water. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 2 ounces per gallon of water and spray on carpet at a rate of 300-500 sq. ft. per gallon. For use on washable synthetic fibers. Do not use on wool. Test colorfastness 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 cloth, a water-based product should 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: Q128 should not be mixed with other cleaning products.

Smoke Damage Restoration: Q128 is effective against odor causing bacteria and fungi in institutional, industrial and medical premises. Q128 is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Using solutions, saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

Directions for Hatchery Rooms Using Fogging Devices: ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Close room off so fog is confined to room to be treated. Mix one part of Q128 to five parts water (1 gallon of Q128 to 5 gallons water). Insert the nozzle of the fogger through a suitable opening into the room. With the setting in

maximum output, fog for one minute for each 4000 cubic feet of space in the room. Vacate the room of all personnel during fogging for a minimum of 2 hours of actual fogging and a minimum of 4 air exchanges per hour in the room. When fogging is completed, ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with soap or detergent and rinse with water.

Directions for Incubators and Hatchers using Fogging Devices: ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING. Mix 12 ounces of Q128 to 244 ounces of water. Fog 3-8 ounces of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed). It is acceptable to fog setters and hatchers with a 1 ounce per gallon solution of Q128 on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. 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: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pant