



Engineered Chemistries  
SUPERIOR SOLUTIONS

# QUAT-X™

CLEANER; DETERGENT; \*VIRUCIDE;  
FUNGICIDE (AGAINST PATHOGENIC FUNGI);  
MILDEWSTAT (ON HARD, NON-POROUS, INANIMATE SURFACES);

## ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride .....	6.510%
Dioctyl dimethyl ammonium chloride .....	3.255%
Didecyl dimethyl ammonium chloride .....	3.225%
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride .....	8.680%
INERT INGREDIENTS .....	78.300%

TOTAL .....

100.000%

## 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:** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call poison control center or doctor for treatment advice.

**If swallowed:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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

See side panel for additional precautionary statements.

EPA REG. NO. 1839-167-34370

EPA EST. NO. 34370-LA-001

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NET CONTENTS: 1 U.S. GALLONS

BATCH #

07/11

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, AND HCV ON 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 QUAT-X.

**CONTACT TIME** - Allow surface to remain wet for **10 minutes**.

**DISPOSAL OF INFECTIONIOUS MATERIALS** - Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**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 of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1/2 ounce of QUAT-X 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.

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND \*VIRUCIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO3) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). THIS PRODUCT IS AN EFFECTIVE FUNGICIDE AGAINST THE LISTED FUNGI IN WATER UP TO 200 PPM HARDNESS (AS CaCO3) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

**GENERAL CLEANING** - Apply QUAT-X to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. QUAT-X can be diluted at 1/2 ounce per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

**DEODORIZATION** - To deodorize, apply QUAT-X as indicated under the heading DISINFECTION.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles or face shield), clothing, and gloves when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

### PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE** - Store in original container in a dry place no lower in temperature than 50° F or higher than 120° F that is locked and inaccessible to children.

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

**CONTAINER DISPOSAL** - Non-refillable container. Do not reuse or refill this container. After rinsing container, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

**RINSING INSTRUCTIONS** - Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and reclean. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.



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is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing and disinfection for hospitals, nursing homes, schools, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail businesses, and athletic/recreational facilities where housekeeping is of prime importance in controlling cross-contamination. For use in institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals, food processing plants, veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities. **QUAT-X** is a one step neutral disinfectant that is effective against a broad spectrum of bacteria, is virucidal\* (including HIV-1, HIV-2, HBV AND HCV), and inhibits the growth of mold and mildew and their odors when used as directed. **QUAT-X**, when used as directed, is formulated to disinfect hard, non-porous, inanimate, environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **QUAT-X** is not for use on critical and semi-critical medical device surfaces.

**DISINFECTION** - To disinfect inanimate, hard, non-porous surfaces add 1/2 ounce of this product 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 sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

**To disinfect toilet bowls** - Prior to disinfection, remove gross filth or soils from surfaces with bowl brush. Add 1/2 ounce of **QUAT-X** to the bowl water. Brush or 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.

**To disinfect food processing premises** - Before using **QUAT-X**, food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 1/2 ounce of **QUAT-X** 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. All surfaces which may come in contact with food must be rinsed with potable water.

**BACTERICIDAL ACTIVITY** - At the 1/2 ounce per gallon dilution, **QUAT-X** demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD-10, *Salmonella enterica*, *Staphylococcus aureus*, *Staphylococcus aureus* (clinical isolate), *Bordetella bronchiseptica*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterobacter cloacae* (clinical isolate), *Enterococcus faecalis*, *Enterococcus faecalis* (clinical isolate), *Escherichia coli*, *Escherichia coli* (clinical isolate), *Fusobacterium necrophorum*, *Klebsiella pneumoniae* subsp. *pneumoniae*, *Lactobacillus casei* subsp. *rhamnosus*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus vulgaris*, *Proteus mirabilis* ATCC 99121, *Proteus mirabilis* ATCC 25993, *Salmonella enterica* subsp. *enterica* serotype *paratyphi* B, *Salmonella enterica* subsp. *enterica* serotype *typhi*, *Salmonella enterica* subsp. *enterica* serotype *typhimurium*, *Salmonella enterica* subsp. *enterica* serotype *pullorum*, *Serratia marcescens*, *Shigella sonnei*, *Shigella flexneri* Type 2b, *Shigella dysenteriae*, *Staphylococcus aureus* subsp. *aureus*, *Staphylococcus epidermidis*, *Staphylococcus epidermidis* (clinical isolate), *Streptococcus pyogenes* (Clinical - Flesh Eating Strain BIRD M3), *Streptococcus pyogenes* Group A, *Xanthomonas maltophilia* (clinical isolate), *Vancomycin* resistant *Enterococcus faecalis* (VRE) (ATCC 51757), *Methicillin* resistant *Staphylococcus aureus* (MRSA), *Vancomycin* intermediate resistant *Staphylococcus aureus* (VISA), *Community Associated Methicillin* resistant *Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA400, *Community Associated Methicillin* resistant *Staphylococcus aureus* (CA-MRSA) NRS 384 Genotype USA300, *Salmonella enterica* subsp. *enterica* serotype *enteritidis*, *Ampicillin* resistant *Acinetobacter baumannii*, *Cefazolin* resistant *Acinetobacter baumannii*, *Ceftazidime* resistant *Acinetobacter baumannii*, *Ceftriaxone* resistant *Acinetobacter baumannii*, *Gentamicin* resistant *Acinetobacter baumannii*, *Tobramycin* resistant *Acinetobacter baumannii*, *Ciprofloxacin* resistant *Acinetobacter baumannii*, *Levofloxacin* resistant *Acinetobacter baumannii* and *Bactrim* resistant *Acinetobacter baumannii*.

**MILDEWSTAT** - To control mold and mildew (*Aspergillus niger* ATCC 6275) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces add 1/2 ounce **QUAT-X** per gallon of water. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

**FUNGICIDAL ACTIVITY** - At the 1/2 ounce per gallon dilution, **QUAT-X** is fungicidal against the pathogenic fungi *Trichophyton mentagrophytes* (Athlete's Foot Fungus) and *Candida albicans*. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard, non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for **10 minutes**, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

**\*VIRUCIDAL ACTIVITY - QUAT-X** when used on environmental, inanimate, hard, non-porous surfaces at 1/2 ounce per gallon of water exhibits effective virucidal activity against Human Immunodeficiency Virus Type 1 (HIV-1), Human Immunodeficiency Virus Type 2 (HIV-2), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital disease), Influenza A2/Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, Strain 229E), SARS Associated Coronavirus, Rabies Virus, Bovine Viral Diarrhea Virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, Canine Distemper Virus, Paramyxovirus (Mumps), Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) and Avian Influenza A Virus.

### KILLS PANDEMIC 2009 H1N1 INFLUENZA A VIRUS.

**KILLS HIV-1, HIV-2, 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 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).