

QUAT-X™

CLEANER; DETERGENT; VIRUCIDE; FUNGICIDE
(Against Pathogenic fungi); MILDEWSTAT (On hard, non-porous, inanimate surfaces)



- Registered with the U.S. Environmental Protection Agency.
- Kills Pandemic 2009 H1N1 Influenza A Virus.

Published 3/13/2020: QUAT-X is on the EPA's Expanded COVID-19 Disinfectant List, which includes EPA-registered disinfectant products that have qualified for use against SARS-CoV-2, the novel coronavirus that causes COVID-19. Use cleaning directions for Coronavirus.

QUAT-X 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.

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 9921, *Proteus mirabilis* ATCC 25933, *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 51575), *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 healthcare 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).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

WECHEM, INC.
5734 Susitna Dr. Harahan, LA 70123
504.733.1152 1.800.426.0512
FAX 504.733.2218 www.wechem.com



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