Q.T.® Plus

A hospital-grade disinfectant/detergent, cleaner,sanitizer,fungicide, mildewstat, virucide, deodorizer that cleans and controls the hazard of cross-contamination from environmental surfaces. Q.T. Plus is designed for use on walls,countertops,fixtures,restroom and shower rooms,and other hard surfaces where disinfectint is a must.

On 7/29/20, The EPA published updated label claims on List N for QT Plus as effective against SARS-CoV-2, the virus that causes COVID-19 with a 3- minute contact time. Additionally, SARS-CoV-2 will be listed by name on the label.

While the EPA's List N has been updated to reflect this change under EPA No: 6836-77, the change will not be reflected on the QT Plus label for 90 to 120 days as we move through current stock in the system.

Additionally, label directions will include a statement that visibly soiled surfaces require pre-cleaning. The label statement will change from "For *heavily* soiled areas, a preliminary cleaning is required" to "For *visibly* soiled areas, a preliminary cleaning is required."

Refer to the CDC website (https://www.cdc.gov/coronavirus/2019-ncov/index.html) for additional information.

- Higher pH removes soils ordinary neutral disinfectants cannot.
- Mild lemon fragrance.
- EPA registered disinfectant.

Safety

See material safety data sheet and product for safety information, handling and proper use.

Technical Specifications

Appearance	Clear
Dilution Rate	1:128
Color	Yellow
Scent	Lemon
Non Volatile Matter	19.50 - 21.50%
pH @ 25 deg. C	12.00 - 13.00
EPA Registration No.	EPA Reg. No. 6836-77 -1658

HMIS (Concentrate/RTU)

Flammability = 2/0 Health = 3/1 Reactivity = 0/0

Availability

HIL0082425 4 - 2.5 Liter Containers

Directions

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

Preparation of Disinfectant Use-Solution: Add 1 oz. per gallon of water (1:128). For heavy duty use, add 4 oz. per gallon of water (1:32). Use 4 oz. per gallon of water to kill Adenovirus Type 5 and type 7. Use 16 oz. per gallon of water to kill Feline Panleukopenia Virus.

DISINFECTION/VIRUCIDAL*/FUNGICIDAL/MOLD AND MILDEW CONTROL DIRECTIONS: Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain visibly wet for 10 minutes. **For SARS-CoV-2**, treated surfaces must remain visibly wet for 3 minutes. **For Influenza Virus Type A and Human Coronavirus,** treated surfaces must remain wet for 1 minute. Wipe dry with a cloth, sponge or mop or allow to air dry. For visibly soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface. Do not breathe spray. Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes. **For fungicidal activity: Q.T. Plus** is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Dilute at rate of 1 oz. per gallon in 200 ppm hard water and allow surface to remain visibly wet for 10 minutes. **For mold and mildew:** At 1 oz. per gallon, **Q.T. Plus** will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, nonporous surfaces. Follow disinfection instructions. Repeat treatment every seven days, or more often if new growth appears.

BACTERICIDAL STABILITY OF USE-DILUTION: Tests confirm that the use solution of this product, when stored in a sealed container such as a spray bottle, remains effective for up to one month. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.

This product is not for use on medical device surfaces.

***KILLS HIV AND HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings 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 (HIV -1) (associated with AIDS) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).

Special Instructions for Cleaning and Decontamination against HIV-1 or HBV or HCV on Surfaces / Objects Soiled With Blood / Body Fluids.

Personal Protection: Cleanup must always be done wearing protective gloves, gowns, masks and eye protection.

Cleaning Procedure: Blood and other body fluids containing HIV-1 or HBV or HCV must be thoroughly cleaned from surfaces and objects before application of **Q.T. Plus.**

Contact Time: Leave surface wet for 1 minute (60 seconds) for HIV-1 and 10 minutes for HBV and HCV with a 1 oz. per gallon use-solution. Use a 10-minute contact time for disinfection against all other viruses, bacteria and fungi claimed.

Disposal of Infectious Material: Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to local regulations for infectious waste disposal.

NON-ACID TOILET BOWL AND URINAL DISINFECTANT/CLEANER DIRECTIONS: Remove visible filth prior to disinfection.

From Concentrate: Add 1 oz. to the bowl. Use 4 oz. to kill Adenovirus Type 5 and type 7. Thoroughly brush or swab over exposed surfaces and under the rim with a cloth, mop or sponge. Allow to stand for 10 minutes and flush.

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

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

VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS

DISINFECTION DIRECTIONS: For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries, pens, stalls and etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, pens, stalls and etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1 oz. of **Q.T. Plus** per gallon of water (*1:128*) for a period of 10 minutes. Use 16 oz. per gallon of water to kill Feline Panleukopenia Virus. Wipe or allow to air dry. Immerse all animal 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. Thoroughly scrub all treated surfaces, then rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings, animal enclosures, vehicles and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

FARM PREMISE USE: 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 oz. of **Q.T. Plus** per gallon of water (*1:128*) 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 for 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.

TO SANITIZE NON-FOOD CONTACT SURFACES: Add 1 oz. of **Q.T. Plus** per 4.25 gallons of water to sanitize hard nonporous surfaces. Treated surfaces must remain visibly wet for 60 seconds. Wipe dry with a sponge, mop or cloth or allow to air dry. Do not use in food preparation, food handling and food storage areas. This product is not to be used on glassware, dishware, cookware or utensils.

TO CLEAN AND DEODORIZE: Mix 1 oz. of **Q.T. Plus** per gallon of water to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

Efficacy

10 Minutes

Bacteria: Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella enterica, Acinetobacter baumannii, Corynebacterium ammoniagenes, Campylobacter jejuni, Staphylococcus aureus - Community Associated Methicillin-Resistant - CA-MRSA (NRS384) (USA300), Staphylococcus aureus - Community Associated Methicillin-Resistant - CA-MRSA (NRS123) (USA400), Enterobacter aerogenes, Enterobacter cloacae NDM-1 positive, Enterococcus faecalis, Enterococcus faecalis-Vancomycin resistant (VRE), Escherichia coli, Escherichia coli, New Delhi Metallo-Beta Lactamase (NDM-1), ESBL Escherichia coli, Klebsiella pneumoniae, Klebsiella pneumoniae – NDM-1 positive, Listeria monocytogenes, Legionella pneumophilia, Burkholderia cepacia, Salmonella schottmuelleri, Salmonella typhi, Serratia marcescens, Shigella dysenteriae, Staphylococcus aureus Methicillin-resistant (MRSA), Staphylococcus aureus Multi-Drug Resistant (resistant to tetracycline (Tc), penicillin (Pc), streptomycin (Sm) and erythromycin (Em) and susceptible to chloramphenicol (Cm) *in vitro*), Staphylococcus aureus–Vancomycin Intermediate Resistant-(VISA), Streptococcus pyogenes, Vibrio cholerae

Viruses: *Hepatitis B Virus (HBV), *Hepatitis C Virus (HCV), *Herpes Simplex Virus Type 1, *Herpes Simplex Virus Type 2, *Norwalk Virus (Norovirus), *Rotavirus, *Respiratory Syncytial Virus (RSV), *SARS Associated Coronavirus, *Vaccinia. Fungi: Aspergillus niger, Trichophyton mentagrophytes (the Athlete's Foot Fungus) (A cause of Ringworm of the foot). Avian Infectious Bronchitis Virus, Avian Influenza Virus (H3N2), Avian Influenza Virus (H5N1), Canine Distemper Virus, Feline Calicivirus, Feline Panleukopenia Virus (16 oz. per gallon of water), Newcastle's Disease Virus, Pseudorabies Virus

3 Minutes

*SARS-Related Coronovirus 2 (cause of COVID-19)

1 minute

*HIV-1 (AIDS virus), *Human Coronavirus, *Influenza Virus Type A / Brazil, Influenza Virus Type A/Hong Kong, *2013 Influenza A Virus (H7N9)