

## 256 Century Q TECHNICAL BULLETIN

**256 Century Q is a concentrated no-rinse disinfectant cleaner that disinfects and cleans in one step.**

### One Step Disinfectant Germicidal Detergent and Deodorant

Disinfectant – Pseudomonacidal<sup>4</sup> – Staphylocidal<sup>5</sup> – Salmonellacidal<sup>6</sup> – Bactericidal  
– Fungicidal – Mildewstatic – \*Virucidal – Sanitizer

### Where to Use

256 Century Q is for use on hard, non-porous surfaces in: Hospitals, medical and dental offices and clinics, healthcare facilities, nursing homes, EMS & fire facilities, emergency vehicles, day care centers and nurseries, restaurants and bars, supermarkets, retail and wholesale establishments, correctional facilities, Institutional facilities, hotels and motels, public restrooms, shower rooms, schools, colleges, commercial and industrial institutions, athletic facilities and locker rooms, exercise facilities, health clubs, whirlpools, food preparation and storage areas, food processing plants, USDA inspected food-processing facilities, farms, veterinary clinics, animal life science laboratories, kennels, zoos, tack shops, pet shops, campers, RV's, automobiles, cruise ships and public transportation.

### Surface Safe

256 Century Q is formulated to disinfect on hard, non-porous surfaces such as: Hospital beds, bed railings, bedpans, shower stalls, toilet bowl surfaces, urinals, empty diaper pails, vanity tops, glazed porcelain, glazed tile and restroom fixtures, tables, chairs, desks, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, glass, laminated surfaces, metal, stainless steel, glazed porcelain, glazed 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 and vinyl, enameled surfaces, finished woodwork, vinyl and plastic upholstery, washable wallpaper, wrestling and gymnastic mats, athletic training tables, physical therapy tables, exercise equipment.

**Multi-Clean 256 Century Q Disinfectant Cleaner  
(EPA registration No. 47371-129-5449)**

Kills the coronavirus<sup>1</sup> that may cause COVID-19.

EPA List N Approved to kill SARS-CoV-2 (including the Delta Variant) in 1 minute.

### Properties

Appearance .....	Red Liquid
Fragrance .....	Floral Scent
pH (undiluted) .....	7.2 - 8.2
Specific Gravity .....	1.004 - 1.008
Flashpoint .....	>199°F
Foam .....	Low - moderate
Rinseability .....	Excellent
Storage Stability .....	1 year under normal conditions
EPA Registration Number .....	47371-129-5449

\* Complies with Bloodborne Pathogens Act. 256 Century Q kills bloodborne pathogens HBV, HCV & HIV-1, making it suitable for low level disinfection of surfaces contaminated with blood or bodily fluids.

256 Century Q is a sanitizer for hard nonporous non-food contact surfaces according to the method for Sanitizers - Non-Food Contact Surfaces, modified in the presence of 400 ppm hard water plus 5% organic serum in 60 seconds against:

- Klebsiella aerogenes
- Staphylococcus aureus.

256 Century Q is effective against:

- Enterobacter cloacae - NDM-1 positive
- Escherichia coli – NDM-1 positive
- Klebsiella pneumoniae – NDM-1 positive

#### **Effective against the following pathogens:**

##### **Bacteria:**

Pseudomonas aeruginosa<sup>2</sup>  
Salmonella enterica  
Staphylococcus aureus<sup>2</sup>

Acinetobacter baumannii  
Acinetobacter calcoaceticus  
Bordetella bronchiseptica  
Chlamydia psittaci  
Enterobacter cloacae  
Enterobacter cloacae - NDM-1  
Enterococcus faecalis – Vancomycin Resistant [VRE]  
Escherichia coli<sup>2</sup>  
Escherichia coli - NDM-1  
Fusobacterium necrophorum  
Klebsiella aerogenes  
Klebsiella pneumoniae<sup>2</sup>  
Klebsiella pneumoniae - NDM-1  
Legionella pneumophila  
Listeria monocytogenes  
Pasteurella multocida  
Proteus mirabilis  
Proteus vulgaris  
Salmonella enteritidis  
Salmonella typhi  
Serratia marcescens  
Shigella flexneri  
Shigella sonnei  
Staphylococcus aureus - Community Associated Methicillin-Resistant [CA-MRSA] [NRS384] [USA300]  
Staphylococcus aureus - Community Associated Methicillin-Resistant [CA-MRSA] [NRS123] [USA400]  
Staphylococcus aureus - Methicillin resistant [MRSA]  
Staphylococcus aureus - Vancomycin Intermediate Resistant [VISA]  
Staphylococcus epidermidis<sup>3</sup>  
Streptococcus faecalis<sup>2</sup>  
Streptococcus pyogenes [Strep]

##### **Viruses:**

\*Adenovirus Type 4  
\*Adenovirus Type 7 - at 2 oz. per gallon  
\*Hepatitis B Virus [HBV]  
\*Hepatitis C Virus [HCV]  
\*Herpes Simplex Virus Type 1  
\*Herpes Simplex Virus Type 2  
\*Human coronavirus  
\*HIV-1 [AIDS virus]  
\*Influenza A Virus  
\*\*Respiratory Syncytial Virus [RSV]  
\*Rotavirus [WA]  
\*Rubella virus  
\*SARS Associated Coronavirus [SARS] [may cause Severe Acute Respiratory Syndrome]  
\*SARS-CoV-2 [may cause COVID-19]  
\*Vaccinia virus

##### **Animal Viruses:**

\*Avian Influenza virus (H5N1)  
\*Avian polyomavirus  
\*Canine distemper virus  
\*Feline leukemia virus  
\*Feline picornavirus  
\*Infectious bovine rhinotracheitis virus  
\*Infectious bronchitis virus [Avian IBV]  
\*Newcastle Disease virus  
\*Pseudorabies virus [PRV]  
\*Rabies virus  
\*Transmissible gastroenteritis virus [TGE]

##### **Fungi:**

Aspergillus niger  
Candida albicans  
Trichophyton interdigitale [Athlete's Foot Fungus]

**DISINFECTION / CLEANING / DEODORIZING DIRECTIONS:** Remove visible soil deposits from surface. Then visibly wet surface with a use-solution of ½ ounce of concentrate per gallon of water or equivalent. The use-solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface. Do not breathe spray. Let solution remain visibly wet on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. For SARS-CoV-2, treated surfaces<sup>8</sup> must remain visibly wet for 1 minute. This product is not for use on food contact surfaces.

**For Human Coronavirus**, treated surfaces must remain visibly wet for 1 minute. Wipe dry with a clean cloth, sponge or mop or allow to air dry. **For Influenza Virus Type A**, treated surfaces must remain visibly wet for 2 minutes. Wipe dry with a clean cloth, sponge or mop or allow to air dry.

**BACTERICIDAL STABILITY OF USE-DILUTION:** Tests confirm that this product, when diluted in 200 ppm hard water, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* for up to one year when stored in a sealed container such as a spray bottle. 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.

**TOILET BOWLS / URINALS** Swab bowl with brush to remove visible soil prior to cleaning or disinfecting. Clean by applying use-solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first preclean to remove visible soil, then remove or expel over the inner trap the residual bowl water. Pour in 3 oz. of the use-solution. Allow surface to remain wet for a contact time of 10 minutes then flush.

**FUNGICIDAL DIRECTIONS:** For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.

**MILDEWSTATIC INSTRUCTIONS:** Will effectively control the growth of mold and mildew plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors, and table tops. Apply use-solution of ½ oz. per gallon of water with a cloth, mop, sponge, or coarse spray. Make sure to visibly wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

To control the growth of mold and mildew on large inflatable non-porous plastic and rubber structures [animals, promotional items, moonwalks, obstacle course play and exercise equipment]: Visibly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of ½ oz. per gallon of water with a cloth, mop, sponge, or coarse spray. Make sure to visibly wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears. Ventilate buildings and enclosed spaces. Do not use equipment until treatment has been absorbed, set or dried.

**CLEANING AND DISINFECTING HARD NONPOROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT [RESPIRATORS]:** Preclean equipment if visibly soiled to ensure proper surface contact. Add ½ oz. of this product to one gallon of water. Gently mix for a uniform solution. Apply solution to hard, nonporous surfaces of the respirator with a brush, coarse spray device, sponge, or by immersion. Visibly wet all surfaces to be disinfected. Treated surfaces must remain visibly wet for 10 minutes. Remove excess solution from equipment prior to storage. Comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR §1910.134).

**TO SANITIZE NON-FOOD CONTACT HARD NON-POROUS SURFACES:** Add ½ oz. of this product per gallon 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.

Deodorizing directions: Nursing Homes, Hospitals, Hotels, Schools, Restaurants: Using 1/2 oz. in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors.

**VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces: equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds 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. Empty all feeding and watering appliances. Visibly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of ½ oz. of 256 Century Q per gallon of water [or equivalent dilution]. Allow surfaces to remain visibly wet for a period of 10 minutes. [Use 2 oz. per gallon of water to kill Adenovirus Type 7.] Wipe or allow to air dry. Ventilate buildings and other closed spaces. Thoroughly scrub all treated surfaces that come into contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**FOR HEAVY DUTY CLEANING AND / OR ODOR CONTROL:**

When greater cleaning is desired, use 1 - 2 oz. of 256 Century Q per gallon of water. Visibly soiled areas may require repeated cleaning before treatment.

**TO SANITIZE NON-FOOD CONTACT HARD NON-POROUS SURFACES:**

Mix ½ oz. of 256 Century Q per gallon 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.

**Deodorizing directions:**

**Nursing Homes, Hospitals, Hotels, Schools, Restaurants:** Using 1/2 oz. in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors.

**Mopping Solutions, Automatic Scrubbers:** Use 1/2 oz. per gallon of cleaning solution to eliminate undesirable odors.

**Laundry:** ½ oz. per load added during the final rinse cycle deodorizes all offensive odors.

**Air Freshener/Automotive Uses:** 2 oz. per gallon of water will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Effective on smoking and cooking odors [garlic, fish, onions, etc.]. Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

**Carpets:** ½ oz. per gallon of shampoo solution eliminates odors associated with urine, vomit, smoke, and mildew. Reapply after cleaning for freshening effects. Allow to dry.

**RV Holding Tanks:** Toilet waste: cover bottom of holding tank with water and add ½ oz. If odors return before time to empty, simply add ½ oz. to the tank. Kitchen waste: ½ oz. of 256 Century Q to gray water tank as needed to control malodors created by dirty dish water.

**Pet Odors:** Use 2 - 3 oz. per gallon of water or desired concentration, for urine, feces, and vomit, in carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow to remain visibly wet for a contact time of 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.

**Sewage Backup, Water, Smoke Damage:** Use 1 – 2 oz. per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow to remain visibly wet for a contact time of ten minutes contact time. Use proper ventilation; open windows.

**Cleaning Solution:** Dilute ½ oz. per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

**Container Disposal Handling:**

Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

- 1 SARS-Related Coronavirus 2
- 2 ATCC & antibiotic-resistant strain
- 3 antibiotic-resistant strain only
- 4 Pseudomonas aeruginosa
- 5 Staphylococcus aureus
  - Staphylococcus aureus - Community Associated Methicillin-Resistant [CA-MRSA] [NRS384] [USA300]
  - Staphylococcus aureus - Community Associated Methicillin-Resistant [CA-MRSA] [NRS123] [USA400]
  - Staphylococcus aureus - Methicillin resistant [MRSA]
  - Staphylococcus aureus - Vancomycin Intermediate Resistant [VISA]
  - Staphylococcus epidermidis
- 6 Salmonella enterica
- 7 When used according to disinfection directions.
- 8 hard, non-porous surfaces
- 9 surfaces must be brought to room temperature (approximately 20°C) before application of the product for disinfection.
- 10 Not for use in medical facilities

**DISINFECTION**

- DILUTION: 1:256 ½ ounce per gallon of water
- [660 ppm quat] 1 ounce per 2 gallons of water
- 2 ounces per 4 gallons of water
- 2½ ounces per 5 gallons of water
- 4 ounces per 8 gallons of water



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