

# DECON-QUAT® 200V

Veterinary Disinfectant, Virucide and Fungicide

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DECON-QUAT\_200V\_DQ200V

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## Technical Data File



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## DECON-QUAT 200V

Veterinary Disinfectant, Virucide, and Fungicide

### PRODUCT DESCRIPTION

DECON-QUAT 200V is a quaternary ammonium solution for use in Veterinary, Dairy, Equine, Poultry Plants, Poultry/Turkey Farm, Hospitals, Nursing Homes, Restaurant, Food Handling and Process areas, Households, Hotels & Motels, Food Service, Commercial, Institutional and Industrial Use. Effective as a broad spectrum disinfectant, virucide, non-food contact sanitizer, and fungicide.

DECON-QUAT 200V when used as a general disinfectant on hard, non-porous surfaces at ½ ounce per gallon of water for 10 minutes of contact time is effective against: *Acinetobacter baumannii*, *Acinetobacter Iwoffii*, *Bordetella bronchiseptica*, *Chlamydia psittaci*, *Citrobacter freundii*, *Enterobacter agglomerans*, *Enterobacter aerogenes*, *Enterobactercloacae*, *Escherichia coli*, *Escherichia coli* 0111:H8, Extended spectrum B-Lactamase (ESBL), *Escherichia coli*, Tetracycline Resistant *Escherichia coli*, *Enterococcus faecalis*, *Enterococcus hirae*, *Fusobacterium necrophorum*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Micrococcus luteus*, *Pasturella multocida*, *Proteus vulgaris*, *Salmonella enteric*, *Salmonella enteric* serotype pullorum, *Salmonella typhi*, *Salmonella typhimurium*, *Serratia marcescens*, *Shigella flexneri*, *Shingella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* sub species aureus, Community Associated Methicillin Resistant *Staphylococcus aureus* (CA-MRSA), Methicillin Resistant *Staphylococcus aureus* (MRSA), *Staphylococcus epidermidis*, Antibiotic resistant *Staphylococcus epidermidis*, *Streptococcus agalactiae*, *Staphylococcus haemolyticus*, *Streptococcus pneumoniae* Penicillin Resistant, *Streptococcus pyogenes*, *Streptococcus mutans*, Vancomycin Resistant *Enterococcus faecalis* (VRE), Vancomycin Intermediate Resistant *Staphylococcus aureus* (VISA), *Vibrio cholera*, *Yersinia enterocolitica*.

DECON-QUAT 200V when used as a fungicide on hard, non-porous surfaces at ½ ounce per gallon (660 ppm active) of water for 10 minutes of contact time is highly effective against The following: *Aspergillus niger*, *Candida albicans*, *Trichophyton mentagrophytes*.

DECON-QUAT 200V Virucidal performance: At a ½ ounce per gallon of water use level (660 ppm active) this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses: Avian Infectious Bronchitis virus Beaudette IB42, Avian Influenza A H5N1 virus, Avian Influenza A H3N2 virus, Canine Coronavirus, Canine Distemper virus, Feline Picornavirus, Infectious Bovine Rhinotracheitis virus, Pseudorabies virus, Swine Influenza A H1N1 virus, Transmissible Gastroenteritis virus, Vaccinia virus.

EFFECTIVENESS AGAINST CANINE PARVOVIRUS (CPV), MICE PARVOVIRUS, PORCINE PARVOVIRUS AND RABIES: At 2 ounce per gallon of water use level, this product was evaluated in the presence of 5% serum and with a 10 minute contact time and found to be effective against the following viruses on hard, non-porous surfaces: Canine Parvovirus (CPV) Mice Parvovirus, Porcine Parvovirus and Rabies.

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## Ordering Information

Order Number	Description	Size	Quantity
DQ200V-1G-01	DECON-QUAT 200V Non-Sterile	1 gallon	4
DQ200V-5G-01	DECON-QUAT 200V Non-Sterile	5 gallon pail	1
DQ200V-30G-01	DECON-QUAT 200V Non-Sterile	30 gallon drum	1
DQ200V-55G-01	DECON-QUAT 200V Non-Sterile	55 gallon drum	1

### ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride ..... 10.14%  
n-Alkyl (C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>16</sub> 10%)

dimethyl benzyl ammonium chloride .....6.76%

INERT INGREDIENTS: ..... 83.10%

TOTAL..... 100.00%

**FOR DISINFECTING HARD, NON-POROUS INANIMATE SURFACES AGAINST AVIAN INFLUENZA A (H5N1) (H3N2) (H1N1)VIRUS:** For use in homes, hospitals, hotels, motels, schools and other non-animal use sites, follow the *PREPARATION OF DISINFECTION/VIRUCIDAL\*/FUNGICIDAL USE SOLUTION*) directions. (OR) For use in animal housing facilities, follow the *SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A (H5N1) (H3N2) VIRUS* in the Animal Premise section.

### DISINFECTION/FUNGICIDAL/VIRUCIDAL\* – INSTITUTIONS and NON-MEDICAL DILUTION CHART

Ounces of Product	Amount of Water
1/8 ounce	1 quart
1/4 ounce	1/2 gallon
1/2 ounce	1 gallon
1 1/2 ounces	3 gallons
2 1/2 ounces	5 gallons
5 ounces	10 gallons

### DILUTION GUIDE:

For Hospital or Medical Environment claims 1/2 oz/1 gal. water  
For General or Broad Spectrum claims 1/2 oz/1 gal. water  
For Public Health Virucidal\* claims 1/2 oz/1 gal. water  
For Animal Virucidal\* claims 1/2 oz/1 gal. water  
For Non-Food Contact Sanitizing claims 1/2 oz/1 gal. water  
For Fungicidal claims 1/2 oz/1 gal. water

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**PRODUCT SPECIFICATIONS**

<i>Specification</i>	<i>DECON-QUAT 200V</i>
Appearance	Clear Liquid
Viscosity cps @ 25°C	<100
Specific Gravity	1.01
pH – 1% solution (normal)	6.0 – 8.0
Solubility	Complete
Foaming	Moderate
Rinsing	Excellent

**PRODUCT FEATURES**

<i>Feature</i>	<i>Benefit</i>
EPA Registered Disinfectant, Virucide, and Fungicide	This product is proven to be effective against a wide array of organisms as noted throughout this technical data bulletin when used as directed. The verified results provide an added level of quality assurance to your overall cleaning and disinfection program.
Neutral pH	Non-corrosive to most all substrates at recommended use dilution. Pitting and corrosion is the result of aggressive decontamination agents which may lead to harborage of organisms that may adversely affect your overall cleaning program.
Free Rinsing	The formula is designed to easily rinse free from product surfaces. Water rinse time period and volume is minimal.
Manufactured and tested from beginning to end in a FDA, EPA registered manufacturing facility.	Meets the highest standards in manufacturing and processing.
High Level of Quality	All products are made in controlled environments that include Class 10,000 and Class 100,000. This assures the highest level of quality and cleanliness of the final product. Lot specific analysis is available and product is fully traceable.
Phosphate Free Detergent	Environmentally safe and no further pH balancing is required for effluent.
Concentrated Formulation	Low cost per use is realized due to high concentration formula. Actual use dilution is dependent upon the decontamination requirements of the specific organisms present. Efficacy can be achieved as low as 660 ppm or ½ ounce per gallon of water for most broad spectrum claims, animal virucidal claims and fungicidal claims. 2 Ounce per gallon of water is required for Parvovirus and Rabies claims.

**NON-FOOD CONTACT SANITIZING PERFORMANCE:** [DECON-QUAT 200V is an effective one-step sanitizer against the following on hard non-porous inanimate surfaces: *Klebsiella pneumonia*, *Staphylococcus aureus*.

One Step Disinfectant

Germicidal Detergent and Deodorant

Disinfectant, Non-Food Contact Sanitizer, Cleaner, Mildewstat, Fungicide, Virucide\*, Deodorizer for Veterinary, Hospitals, Nursing Homes, Whirlpool, Households, Hotels & Motels, Food Service, Commercial, Institutional, and Industrial Use, Suitable for use in Meat and Poultry Plants, Schools, Dairy, Equine, Poultry/Turkey Farm, Restaurant, Food Handling and Process Areas.

Effective in hard water up to 400 ppm hardness (Calculated as  $\text{CaCO}_3$ ) in the presence of 5% serum contamination.

Non-Dulling to Floors or Floor Finishes.

Meets OSHA Bloodborne Pathogen Standard for HIV, HBV and HCV.

DECON-QUAT 200V is a phosphate-free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross-contamination on treated surfaces.

DECON-QUAT 200V cleans by removing dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It also eliminates odors leaving surfaces smelling clean and fresh.

DECON-QUAT 200V can be used to disinfect, clean and deodorize terrarium and small animal cages, hot rock, substrate and other hard nonporous inanimate cage equipment, plastic terrarium ornaments, heat caves, and water dishes. *(Use on hot rocks not allowed in CA)*

DECON-QUAT 200V cleans, disinfects and deodorizes hard, non-porous inanimate surfaces in one step. Its non-abrasive formula is designed for use daily to clean and disinfect on hard, non-porous inanimate surfaces: plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, laminated surfaces (associated with floors, walls, countertops, cages, kennels, animal equipment found in animal housing facilities.

DECON-QUAT 200V cleans rodent soiled areas.

DECON-QUAT 200V is a disinfectant and non-food contact surface sanitizer for Cleanroom and Laboratory areas to disinfect washable, hard, non-porous non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces of the following: countertops, sinks, plumbing fixture surfaces, and Incubators, Refrigerators and Centrifuge surfaces of metal, stainless steel, glass, plastic (such as polystyrene or polypropylene), Formica®, and vinyl.

DECON-QUAT 200V is a no-rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

Use DECON-QUAT 200V on finished floors, high speed burnished floors, conductive flooring, washable walls, tables, chairs, bathroom bowls, sinks, basins, shower stalls, tubs, glazed tiles, toilet, countertops, stove tops, exterior surfaces of appliances and refrigerators, cabinets, garbage cans, outdoor furniture (except cushions and wood frames), desks, telephones, door knobs and handles, and glass surfaces including windows and mirrors.

Will not harm sealed stone, sealed grout, or glazed tile.

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DECON-QUAT 200V is a complete, chemically balanced disinfectant/ sanitizer that provides clear use solutions even in the presence of hard water.

DECON-QUAT 200V can be used with a mop and bucket, trigger sprayers, sponge, foaming apparatus, low-pressure sprayers, wipers, or by soaking.

DECON-QUAT 200V is a one-step disinfectant, cleaner, and deodorant designed for general cleaning, and disinfecting, deodorizing and controlling mold and mildew on hard, non-porous environmental surfaces. DECON-QUAT 200V cleans quickly by removing dirt, grime, mold, mildew, food residue, body oils, dead skin, blood and other organic matter commonly found in veterinary clinics, pet shops, equine farms, animal life science laboratories, hospitals and in health care facilities, nursing homes, schools and colleges, day care centers, medical offices, funeral homes, hotels, motels, public areas and restrooms, foodservice establishments and federally inspected meat and poultry establishments. This product also eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem.

## DECON-QUAT 200V Applications

DECON-QUAT 200V is for use on hard, non-porous inanimate surfaces in:

- Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, equine farms, kennels, dog/cat (animal) kennels, animal breeding facilities, breeding establishments, grooming establishments, pet animal quarters, zoos, tack shops, pet shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities.
- Kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, veterinary x-ray tables.
- Hatchers, setters, trays, racks, egg flats, walls, floors, ceilings, chick boxes, egg cases, vans and trash containers.
- Medical research facilities, hospitals, medical and dental offices and clinics, healthcare facilities, nursing homes, physician offices, operating rooms/theaters, radiology rooms, isolation wards, quarantine areas, hospices, and medical research facilities.
- Patient care rooms & facilities, recovery rooms, Emergency Rooms, X-ray cat labs, exam rooms, newborn nurseries, neonatal units, orthopedics, respiratory therapy, surgi-centers, out-patient surgical centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities
- Acute care institutions, alternate care institutions, home healthcare institutions.
- Institutions, schools, colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, fieldhouses.
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities, warehouses.
- Food processing plants, USDA inspected food-processing facilities, federally inspected meat and poultry plants, egg processing plants, farms, equine farms,

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poultry farms, turkey farms, dairy farms, hog farms, meat/poultry processing plants, meat/poultry producing establishments, mushroom farms, rendering plants, canneries, caterers, bakeries, meat packing plants, hide and leather processing plants.

- Processing facilities for Fish, Milk, Citrus, Wine, Fruit, Vegetable, Ice Cream, and Potatoes, and beverage plants.
- Farmhouses, barns, sheds, tool sheds, cattle barns, swine barns, sheep barns, horse barns, brooder houses, seed houses.
- Hair clippers, cutting implements, plastic rollers, washable nail files.

Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, vanity tops, glazed porcelain, glazed tile and restroom fixtures, bathroom fixtures. or mechanical spray device, coarse pump or trigger spray device or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Allow surfaces to remain wet for a period of 10 minutes. Immerse all halters, and other types of hard nonporous inanimate equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the use solution. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**VETERINARY CLINICS/ANIMAL LIFE SCIENCE LABORATORY/ANIMAL CARE FACILITIES/ANIMAL RESEARCH CENTERS/ANIMAL LABORATORY/ANIMAL QUARANTINE AREAS/ANIMAL BREEDING FACILITIES/ZOOS/PET SHOP/ANIMAL HUSBANDRY/KENNELS/BREEDING AND GROOMING ESTABLISHMENTS/ TACK SHOPS** **DISINFECTION DIRECTIONS:** For cleaning and disinfecting hard, non-porous inanimate surfaces areas to be treated such as equipment, utensils, instruments, cages, kennels, stables, stalls and catteries, and other hard-nonporous inanimate surfaces, apply a use solution of ½ oz (\*\*2 oz) of this product per one (1) gallon of water, or equivalent use dilution, so as to wet thoroughly. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Allow surfaces to remain wet for a period of 10 minutes. Immerse all halters and other types of hard, non-porous inanimate equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure in the use solution. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other treated equipment that dispenses food or water with soap or detergent, and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS**

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Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup wear coveralls, disposable, if possible, rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air (HEPA) filter or a powered air-purifying respirator (PAPR) with HEPA filter. Disinfect Personal protective gear upon removal at the end of the day. If coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed.

All potential infective waste material, including respirator filter, from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious, if it is to be transported, and disposed of in accordance with local requirements for infectious wastes.

Rodent droppings and visible dust may be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

- a. Air out the building for at least 30 minutes by opening windows and doors.
- b. Leave the building while it is airing out.
- c. Do not vacuum, sweep or dust. This may spread the virus through the air.
- d. Thoroughly wet the contaminated areas with ½ ounce per gallon of water and allow solution to stand undisturbed for 10 minutes.
- e. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.
- f. Treat the surface again following the label directions and allow solution to stand undisturbed for 10 minutes.

**TERRARIUM AND SMALL ANIMAL CAGE AND CAGE FURNITURE DISINFECTION:** Animals frequently defecate on hot rocks and other hard non-porous inanimate cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly this product can eliminate these high bacteria/ammonia levels in your cage and on your cage furniture items. *(Use on hot rocks not allowed in CA.)*

1. Remove all animals.
2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with appropriate detergent and rinse thoroughly with water.
3. Saturate all hard nonporous inanimate surfaces such as floors, walls, cages and other washable hard, non-porous inanimate surfaces with the disinfecting and virucidal\* solution of ½ oz. (\*\*2 oz.) of this product per one (1) gallon of water so as to wet thoroughly.
4. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution.
5. Allow surfaces to remain wet for a period of 10 minutes.
6. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
7. Thoroughly scrub all treated surfaces (except gravel) with appropriate detergent and rinse with potable water before reuse.
8. Do not return animals to the habitat until it is dry and ventilated.

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9. Clean terrarium at least once weekly or more as needed. Change cloth, sponge or towels frequently to avoid redeposition of soil.
10. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

*Note: Do not apply DECON-QUAT 200V directly onto the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the animal with lukewarm water. If the small animal ingests this product, contact your veterinarian immediately. Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.*

**REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS:** Remove all reptiles from the enclosure prior to cleaning and disinfecting. Remove all litter or drippings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all surfaces with appropriate detergent and rinse thoroughly with water. Apply disinfecting and virucidal\* solution of ½ oz. of DECON-QUAT 200V per one (1) gallon of water, or equivalent dilution, (660 ppm active) to hard nonporous inanimate surfaces of the enclosure. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device or by immersion until thoroughly wet. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Wipe dry. Rinse all surfaces that come in contact with food with potable water before reuse. Allow the enclosure to ventilate for a minimum of 10-15 minutes before replacing the reptiles. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

*Note: Do not apply DECON-QUAT 200V directly onto the reptile. If this product comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests this product, contact your veterinarian immediately.*

**SHOE / BOOT BATH SANITIZER DIRECTIONS:** To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must 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 a ½-ounce DECON-QUAT 200V per one (1) gallon of water, or equivalent use dilution, (660 ppm active) use solution for 3 minutes prior to entering area. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**PREPARATION OF DISINFECTION/FUNGICIDAL/VIRUCIDAL\* USE SOLUTION:** For heavily soiled areas, a preliminary cleaning is required. Add ½-ounce of DECON-QUAT 200V to one (1) gallon of water to disinfect hard non-porous inanimate surfaces. Apply use solution using a brush, cloth, mop, wiper, foamer, sponge, auto scrubber, or mechanical spray device hand pump, coarse pump or trigger spray device or by immersion so as to thoroughly wet surfaces. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Change cloth, sponge or towels frequently to avoid redeposition of soil. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.

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**\*\*Rinse all treated surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.**

**\*VIRUCIDAL PERFORMANCE:** For heavily soiled areas, a preliminary cleaning is required. Apply ½ ounce per one (1) gallon of water (660 ppm active) or equivalent use dilution to surfaces, thoroughly wetting with a brush, cloth, mop, sponge, auto scrubber or mechanical spray device, coarse pump or trigger spray device) or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Treated hard, non-porous inanimate surfaces must remain wet for ten (10) minutes. Allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**CLEANING AND DISINFECTION:** For heavily soiled areas, a pre-cleaning step is required. For all general cleaning and disinfection, use a ½-ounce of this product per one (1) gallon of water use solution, or equivalent use dilution. Apply use solution to hard nonporous inanimate surfaces using a brush, sponge, cloth, mop, auto scrubber or mechanical spray device, coarse pump or trigger spray device or by immersion so as to thoroughly wet surface. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Allow surfaces to remain wet for 10 minutes. Allow to air dry)]. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**FOR USE AS A ONE-STEP CLEANER/DISINFECTANT:**

1. Pre-clean heavily soiled areas.
2. Apply ½ ounce DECON-QUAT 200V per one (1) gallon of water (660 ppm active), or equivalent use dilution, to hard, non-porous inanimate surfaces using a sponge, brush, cloth, mop, auto scrubber or mechanical spray device, coarse pump or trigger spray device or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray.
3. Rub with brush, cloth, or sponge.
4. To disinfect, all surfaces must remain wet for ten (10) minutes.
5. Allow to air dry.
6. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION:** For heavily soiled areas, a preliminary cleaning is required. Add ½-ounce of this product to one (1) gallon of water, or equivalent use dilution, (660 ppm active). Apply sanitizer use solution to hard, non-porous inanimate non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device, coarse pump or trigger spray device) or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Treated surfaces must remain wet for 3 minutes. Allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**TO SANITIZE (AND DEODORIZE):** For heavily soiled areas, a preliminary cleaning is required. Apply sanitizer use solution of ½ ounce of this product per one (1) gallon of water to hard, non-porous inanimate non-food contact surfaces, thoroughly wetting as required. Apply with a brush, cloth, mop, sponge, auto scrubber or mechanical spray device, coarse pump or trigger spray device or by immersion.

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For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Let stand for 3 minutes. Allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

**FOR USE IN THE TREATMENT OF ANIMAL HOUSING FACILITIES:**

1. Apply ½ oz (\*\*2 oz)] of DECON-QUAT 200V per one (1) gallon of water to hard nonporous inanimate surfaces such as floors, walls, cages and other washable hard, non-porous inanimate surfaces.
2. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device) or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. For smaller surfaces, use a coarse trigger spray bottle to spray all surfaces with solution until wet.
3. Immerse all halters and other types of hard nonporous inanimate equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
4. All treated surfaces must remain wet for ten (10) minutes.
5. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house animals or employ equipment until product has dried.
6. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, waterers and other treated equipment with soap or detergent and rinse with potable water before reuse.
7. Change cloth, sponge or towels frequently to avoid redeposition of soil.
8. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

***POULTRY (AND SWINE) PREMISE SANITATION SITE PREPARATION***

Site Preparation: The first step in any on-going sanitation program must be the removal of gross contamination and debris. This can 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.

**DISINFECTION/FUNGICIDE/VIRUCIDE\* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS DIRECTIONS:** Apply ½ oz (\*\*2 oz)] of this product per one (1) gallon of water to hard nonporous inanimate surfaces. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device) or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Immerse all halters and other types of hard nonporous inanimate equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated equipment OR feed racks, mangers, troughs, automatic feeders, fountains and waterers and other treated equipment) which may contact food and water with soap or detergent and rinse with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

Veltek Associates, Inc.

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**VEHICLES:** Clean all vehicle hard nonporous inanimate surfaces including mats, crates, cabs, and wheels with high-pressure water and this product. Use ½ oz (\*\*2 oz)] of DECON-QUAT 200V per one (1) gallon of water, or equivalent dilution. Apply by cloth, mop, brush, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Leave all treated surfaces exposed to solution wet for 10 minutes or more and allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

#### **SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN INSTITUTIONAL FACILITIES**

**ULTRASONIC BATH SANITIZER DIRECTIONS:** Pre-clean soiled objects. Use this product to sanitize hard, non-porous inanimate non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of ½ ounce per one (1) gallon of water, or equivalent use dilution, (660 ppm active) directly into bath chamber. Place objects into unit and operate for a minimum of 3 minutes according to manufacturers' use directions. Allow to air dry. A fresh solution must be prepared at least daily or when use solution becomes visibly soiled.

Note: DECON-QUAT 200V in its use solution is compatible with stainless steel, aluminum and most other hard nonporous inanimate surfaces. Before product use, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.

#### **SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN FOOD PROCESSING FACILITIES**

**CLEANING/DEODORIZING DIRECTIONS:** Add ½ ounce of DECON-QUAT 200V per one (1) gallon, or equivalent dilution, of water to clean and deodorize windows, mirrors and other surfaces. Apply solution with a brush, mop, cloth, sponge, auto scrubber or mechanical spray device, hand pump, coarse pump or trigger spray device) so as to wet all surfaces thoroughly. For sprayer applications, spray 6-8 inches from surface. Rub with sponge or cloth. Allow to air dry. Do not breathe spray. Change cloth, sponge or towels frequently to avoid redeposition of soil.

- Windows and mirrors.
- Tables, chairs, desks, folding tables, workstations, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, trash barrels, trash cans, trash containers, cuspidors and spittoons.
- Sealed foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- 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, Plexiglass®, vanity tops.
- Enameled surfaces, finished woodwork, Formica®, vinyl and plastic upholstery, washable wallpaper.

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## DIRECTIONS FOR USE

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

Prior to use of DECON-QUAT 200V, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles trucks, and enclosures, crates, kennels, stables, etc.. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

**ANIMAL PREMISE VIRUCIDAL\* PERFORMANCE:** At a ½ ounce per gallon of water use level (660 ppm active), or equivalent use dilution), this product was evaluated in the presence of 5% serum and with a 10-minute contact time and found to be effective against the following viruses on hard, non-porous inanimate surfaces:

- Avian Infectious Bronchitis virus Beaudette IB42
- Avian Influenza A (H5N1) virus
- Avian Influenza A (H3N2) virus (Avian Reassortant) (ATCC VR-2072)
- Canine Coronavirus
- Canine Distemper virus (ATCC VR-128)
- Feline Picornavirus (ATCC VR-649)
- Infectious Bovine Rhinotracheitis virus (ATCC VR-188)
- Pseudorabies virus (ATCC VR-135)
- Swine Influenza A (H1N1) virus (ATCC VR-333) (Strain A/Swine/Iowa/15/30)
- Transmissible Gastroenteritis virus
- Vaccinia virus (ATCC VR-119)

**\*\*EFFECTIVENESS AGAINST CANINE PARVOVIRUS (CPV), MICE PARVOVIRUS AND PORCINE PARVOVIRUS AND RABIES:** At a 2-ounce per gallon of water use level, or equivalent dilution, DECON-QUAT 200V was evaluated in the presence of 5% serum and with a 10-minute contact time and found to be effective against the following viruses on hard, non-porous inanimate surfaces:

- Canine Parvovirus (CPV) (2 oz. per gallon)
- Mice (Parvovirus) (2 oz. per gallon)
- Rabies (2 oz per gallon)
- Porcine Parvovirus (2 oz. per gallon)

**SITE PREPARATION:** The first step in any on-going sanitation program must be the removal of gross contamination and debris. This can 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.

**GENERAL APPLICATION USE DIRECTIONS:** Apply disinfecting or virucidal\* solution of ½ oz. of DECON-QUAT 200V per one (1) gallon of water, or equivalent use dilution, (660 ppm active) to hard nonporous inanimate surfaces so as to wet thoroughly. Apply by cloth, mop, brush, sponge, auto scrubber

CareChem 24 hour Emergency Response Number +011 44-208-762-8322



### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals.

Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

#### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**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 SWALLOWED:** Call a 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 a 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 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.

### ENVIRONMENTAL HAZARD

This product is toxic to fish.

#### STORAGE AND DISPOSAL

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

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#### *For use on containers greater than one gallon*

**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. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Triple rinse as follows: Fill container  $\frac{1}{4}$  full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap (container) and put in trash or offer for recycling if available.

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**PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, triple rinse as follows: Fill container  $\frac{1}{4}$  full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.

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### Efficacy DECON-QUAT 200 V

#### Hospital Disinfection (at ½ ounce per gallon)

This product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum and 400 ppm hard water at ½ ounce of this product per gallon of water (660 ppm active) Treated surfaces must remain wet for 10 minutes

(Testing is performed per the AOAC UDT/GST method (DIS/TSS-1). Sixty carriers are required on 3 separate lots, one of which must be > 60 days old against *Pseudomonas aeruginosa*, *Salmonella enterica* and *Staphylococcus aureus*. Killing of 59 out of 60 carriers is required (total carriers = 540).)

Organism	Carrier Population	Sample	# Carriers	# Positive
<i>Pseudomonas aeruginosa</i> ATCC #15442	3.9 X 10 <sup>4</sup> CFU/Carrier	A (60 Days Old)	60	0/60
		B	60	0/60
		C	60	1/60
<i>Salmonella enterica</i> ATCC #10708	1.03 X 10 <sup>6</sup> CFU/Carrier	A (60 Days Old)	60	1/60
		B	60	1/60
		C	60	0/60
<i>Staphylococcus aureus</i> ATCC #6538	7.0 X 10 <sup>4</sup> CFU/Carrier	A (60 Days Old)	60	0/60
		B	60	0/60
		C	60	0/60

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**Supplemental Organisms**

(Testing is performed per the AOAC UDT/GST method. Ten carriers are required on 2 separate lots against each supplemental organism. Killing of 10 out of 10 carriers is required (total carriers = 20).)

Organism	Carrier Population	Sample	# Carriers	# Positive
<i>Acinetobacter baumannii</i> ATCC 19003	5.1 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Acinetobacter Iwoffii</i> ATCC 15309	5.7 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Acinetobacter Iwoffii</i> ATCC 9957	4.0 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Bordetella bronchiseptica</i> ATCC 10580	9.4 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Citrobacter freundii</i> ATCC 8090	3.9 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Enterobacter aerogenes</i> ATCC 13048	2.35 x 10 <sup>7</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Enterobacter agglomerans</i> ATCC 27155	3.9 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Enterobacter cloacae</i> ATCC 13047	3.3 x 10 <sup>7</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Enterococcus faecalis</i> ATCC 19433	6.2 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Enterococcus faecalis</i> Vancomycin Resistant (VRE) ATCC 51299	1.3 x 10 <sup>7</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Enterococcus hirae</i> ATCC 10541	1.19 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Escherichia coli</i> ATCC 11229	1.3 x 10 <sup>7</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Escherichia coli</i> Spectrum B-Lactamase (ESBL) ATCC BAA-196	4.6 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Escherichia coli</i> 0111:H8 ATCC BAA-184	4.3 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10

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<i>Escherichia coli</i> Tetracycline Resistant ATCC 47041	3.1 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Fusobacterium necrophorum</i> ATCC 27852	5.8 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Klebsiella oxytoca</i> ATCC 13182	1.07 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Klebsiella pneumonia</i> ATCC 13883	1.2 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Listeria monocytogenes</i> ATCC 19117	7.7 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Micrococcus luteus</i> ATCC 14452	1.1 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Micrococcus luteus</i> ATCC 4698	4.8 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Pasturella multocida</i> ATCC 12947	1.32 x 10 <sup>7</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Proteus vulgaris</i> ATCC 13315	1.9 x 10 <sup>4</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Proteus vulgaris</i> ATCC 9920	1.24 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Pseudomonas aeruginosa</i> Tetracycline Resistant ATCC 27853	3.5 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Pseudomonas cepacia</i> ATCC 25416	1.63 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Salmonella enterica</i> ATCC 23564	9.2 x 10 <sup>4</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Salmonella enterica</i> ATCC 4931	1.3 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Salmonella enterica</i> serotype pullorum ATCC 19945	7.1 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Salmonella typhi</i> ATCC 6539	8.3 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Salmonella typhimurium</i> ATCC 23564	1.5 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
	5.6 x 10 <sup>5</sup> CFU/Carrier	B	10	0/10
<i>Serratia marcescens</i> ATCC 14756	6.2 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10

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<i>Serratia marcescens</i> ATCC 9103	6.0 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Shigella flexneri</i> ATCC 12022	2.6 x 10 <sup>4</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Shigella flexneri</i> ATCC 9380	1.99 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Shigella sonnei</i> ATCC 25931	1.04 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> ATCC 14154	9.2 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> ATCC 25923	6.6 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> sub species aureus ATCC 33586	7.2 x 10 <sup>4</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> Methicillin Resistant (MRSA) ATCC 33592	5.4 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> Community Associated Methicillin Resistant (CA-MRSA)	6.3 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> Community Associated Methicillin Resistant (CA-MRSA) (NARSA NRS384) Genotype USA300)	1.60 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus aureus</i> Vancomycin Intermediate Resistant (VISA) ATCC 5836	3.2 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus epidermidis</i> ATCC 14990	1.56 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10

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<i>Staphylococcus epidermidis</i> Antibiotic Resistant	8.6 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Staphylococcus haemolyticus</i> ATCC 29970	9.5 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Streptococcus agalactiae</i> ATCC 13813	5.6 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Streptococcus mutans</i> ATCC 25175	1.02 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
	1.3 x 10 <sup>4</sup> CFU/Carrier	B	10	0/10
<i>Streptococcus pneumonia</i> Penicillin Resistant ATCC 51915	9.6 x 10 <sup>4</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Streptococcus pyogenes</i> ATCC 19615	4.7 x 10 <sup>4</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Vibrio cholera</i> ATCC 11623	1.0 x 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Yersinia enterocolitica</i> ATCC 23715	1.2 x 10 <sup>7</sup> CFU/Carrier	A	10	0/10
		B	10	0/10



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## Virucidal against (at ½ ounce per gallon)

This product was evaluated in the presence of 5% serum and 400ppm hard water with a 10 minute contact time and found to be effective against the following viruses on hard nonporous environmental surfaces.

(Testing is performed per EPA Guidance (DIS/TSS-7). Two separate lots are tested. Inactivation of virus must be demonstrated at all dilutions when no cytotoxicity is observed or at all dilutions above the cytotoxic level when it is observed. The data must demonstrate a 3-log reduction in viral titer for both lots. (3 lots and 4-log reduction for Canada.))

Organism	Dried Virus Control	Sample	Result	Log Reduction
Avian Infectious Bronchitis virus Beaudette IB42	6.42 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.92 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.92 Log <sub>10</sub>
	6.5 Log <sub>10</sub>	C	≤0.5 Log	≥6.0 Log
Avian Influenza A (H3N2) virus (Avian Resistant) (ATCC VR-2072)	4.75 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
		C	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
Avian Influenza A (H5N1) virus	6.75 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥6.25 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥6.25 Log <sub>10</sub>
Canine Coronavirus ATCC VR-809	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
	4.75 Log <sub>10</sub>	B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		C	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
Canine Distemper virus ATCC VR-128	6.25 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.75 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.75 Log <sub>10</sub>
	6.75 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥6.25 Log <sub>10</sub>
Chlamydia psittaci ATCC VR-125	7.25 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥6.75 Log <sub>10</sub>
	4.75 Log <sub>10</sub>	B	≤0.5 Log <sub>10</sub>	≥6.75 Log <sub>10</sub>
		C	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
Cytomegalovirus ATCC VR-538	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		C	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
Feline Picornavirus ATC VR-649	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
	5.75 Log <sub>10</sub>	B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		C	≤0.5 Log <sub>10</sub>	≥5.25 Log <sub>10</sub>
Hantavirus (PHV)	6.23 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥4.73 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥4.73 Log <sub>10</sub>
Hepatitis B Virus	5.06 Log <sub>10</sub>	A	0.27 Log <sub>10</sub>	4.79 Log <sub>10</sub>
	5.20 Log <sub>10</sub>	B	0.41 Log <sub>10</sub>	4.79 Log <sub>10</sub>
	5.06 Log <sub>10</sub>	Confirmatory B	0.27 Log <sub>10</sub>	4.79 Log <sub>10</sub>
Hepatitis C Virus	6.21 Log <sub>10</sub>	A	0.24 Log <sub>10</sub>	5.97 Log <sub>10</sub>
	6.21 Log <sub>10</sub>	B	0.42 Log <sub>10</sub>	5.79 Log <sub>10</sub>
	6.06 Log <sub>10</sub>	Confirmatory B	0.13 Log <sub>10</sub>	5.93 Log <sub>10</sub>

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Herpes Simplex Virus Type 1 ATCC VR-773	5.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
	6.0 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥5.5 Log <sub>10</sub>
Herpes Simplex Virus Type 2 ATCC VR-734	6.0 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.5 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.5 Log <sub>10</sub>
	5.75 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥5.25 Log <sub>10</sub>
Human Coronavirus ATCC VR-740	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
	4.5 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
Human Immunodeficiency Virus Type 1 (HIV 1) HTLV- III <sub>B</sub>	5.75 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
		C	≤1.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
Infectious Bovine Rhinothraehitis Virus ATCC VR-188	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
	4.75 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
Influenza A Virus ATCC VR-544	6.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥6.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥6.0 Log <sub>10</sub>
	6.0 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥5.5 Log <sub>10</sub>
Influenza A (H1N1) Virus ATCC VR-1469	5.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
Pseudorabies Virus ATCC VR-135	6.25 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.75 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.75 Log <sub>10</sub>
	5.5 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
Respiratory syncytial virus ATCC VR-26	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
	5.0 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥4.5 Log <sub>10</sub>
SARS Associated Coronavirus	6.5 Log <sub>10</sub>		≤3.5 Log <sub>10</sub>	≥3.0 Log <sub>10</sub>
			≤3.5 Log <sub>10</sub>	≥3.0 Log <sub>10</sub>
Swine Influenza A (H1N1) Virus ATCC VR-333	5.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥5.0 Log <sub>10</sub>
Transmissible Gastroenteritis Virus	4.75 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.25 Log <sub>10</sub>
	6.25 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥5.75 Log <sub>10</sub>
Vaccinia virus ATCC VR-119	6.75 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥6.25 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥6.25 Log <sub>10</sub>
	6.5 Log <sub>10</sub>	C	≤0.5 Log <sub>10</sub>	≥6.0 Log <sub>10</sub>

**Virucidal against (at 2 ounces per gallon)**

This product was evaluated in the presence of 5% serum and 400ppm hard water with a 10 minute contact time and found to be effective against the following viruses on hard nonporous environmental surfaces.

(Testing is performed per EPA Guidance (DIS/TSS-7). Two separate lots are tested. Inactivation of virus must be demonstrated at all dilutions when no cytotoxicity is observed or at all dilutions above the cytotoxic level when it is observed. The data must demonstrate a 3-log reduction in viral titer for both lots. (3 lots and 4-log reduction for Canada).)

Organism	Dried Virus Control	Sample	Result	Log Reduction
Canine Parovirus Type 2b, Nike Strain	7.5 Log <sub>10</sub>	A	≤3.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤3.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
Rabies Virus	5.75 Log <sub>10</sub>	A	≤2.5 Log <sub>10</sub>	≥3.25 Log <sub>10</sub>
		B	≤2.5 Log <sub>10</sub>	≥3.25 Log <sub>10</sub>

**Fungicidal Against (at ½ ounce per gallon)**

This product was evaluated in the presence of 5% serum and 400ppm hard water with a 10 minute contact time and found to be effective against the following fungi on hard nonporous environmental surfaces.

(Testing is performed per AOAC fungicidal method (DIS/TSS-6). Two separate lots are tested against *Trichophyton mentagrophytes* in a suspension test. Killing of all fungal spores in 10 minutes is required.)

Organism	Carrier Population	Sample	# Carriers	# Positive
<i>Candida albicans</i> ATCC #10231	1.57 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
<i>Trichophyton mentagrophytes</i> ATCC #9533	1.10 x 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10

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### Mold and mildew control (at ½ ounce per gallon)

Use this product to control the growth of mold and mildew and their odors on hard nonporous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odors reappears.

Organism	Tile Number	Untreated After 7 Days	Sample A After 7 Days	Sample B After 7 Days
<i>Aspergillus niger</i> ATCC #16404	1	Growth 90%	No Growth 0%	No Growth 0%
	2	Growth 70%	No Growth 0%	No Growth 0%
	3	Growth 90%	No Growth 0%	No Growth 0%
	4	Growth 80%	No Growth 0%	No Growth 0%
	5	Growth 80%	No Growth 0%	No Growth 0%
	6	Growth 90%	No Growth 0%	No Growth 0%
	7	Growth 80%	No Growth 0%	No Growth 0%
	8	Growth 70%	No Growth 0%	No Growth 0%
	9	Growth 90%	No Growth 0%	No Growth 0%
	10	Growth 70%	No Growth 0%	No Growth 0%

### Non-Food Contact Surface Sanitizer

Add ½ ounce of this product to 1 gallon of water to sanitize hard porous and nonporous non-food contact surfaces. Treated surfaces must remain wet for 3 minutes. Then wipe with sponge, mop or cloth or allow to air dry. At this dilution food contact surfaces must be rinsed.

(Testing is performed per EPA Guidance (DIS/TSS-10). Three lots are required, one of which must be ≥60 days old. Testing is performed against taphylococcus aureus and Klebsiella pneumoniae containing 5% organic load. Enterobacter aerogenes may be substituted for Klebsiella pneumoniae. The results must show a reduction of at least 99.9% (3 log<sub>10</sub>) in the number of each test microorganism over the parallel control count within 5 minutes.)

Organism	Carrier Population	Sample	3 Minute Kill CFU/Carrier	Percent Kill
<i>Klebsiella pneumoniae</i> ATC 4352	6.04 Log <sub>10</sub>	A (60 Days Old)	>3.56 Log <sub>10</sub>	>99.9
		B	>3.56 Log <sub>10</sub>	>99.9
		C	>3.56 Log <sub>10</sub>	>99.9
<i>Staphylococcus aureus</i> ATCC #6538	6.69 Log <sub>10</sub>	A (60 Days Old)	>5.21 Log <sub>10</sub>	>99.9
		B	>4.82 Log <sub>10</sub>	>99.9
		C	>5.21 Log <sub>10</sub>	>99.9

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# TECHNICAL DATA OVERVIEW

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### **Veltek Associates, Inc. Lab Animal Research Chemical Products**

Veltek Item #	SIZE	DESCRIPTION	APPLICATIONS	CONDITIONS
C-1-1G-01	4/1 gal.	Cage2Wash 1 Alkaline Detergent	Automated cage and rack washers	Heavy soil loads
C-1-5G-01	5 gal. pail		Automated glassware washers	All water conditions
C-1-30G-01	30 gal. dr.		Ideal for NHP's, dogs, rabbits, guinea pigs	High alkaline, phosphate free formulation
C-1-55G-01	55 gal. dr.		Removal of animal based fats and oils	
C-2-1G-01	4/1 Gal	Cage2Wash 2 Enhanced Alkaline Detergent	Automated cage and rack and tunnel washers	Moderate soil loads
C-2-5G-01	5 gal. pail		Automated glassware washers	All water conditions
C-2-30G-01	30 gal. dr.		Ideal for polycarbonate & polysulfone cage and accessory cleaning	Mild alkaline, phosphate free formulation
C-2-55G-01	55 gal. dr.		Removal of animal based fats and oils	
C-3-1G-01	4/1 gal	Cage2Wash 3 Phosphoric Acid Detergent	Automated cage and rack washers	Heavy soil loads
C-3-5G-01	5 gal. pail		Automated glassware washers	All water conditions
C-3-30G-01	30 gal. dr.		Ideal for NHP's, dogs, rabbits, guinea pigs	Phosphoric acid formulation
C-3-55G-01	55 gal. dr.		Aids in neutralizing alkaline salts	
C-4-1G-01	4/1 gal	Cage2Wash 4 Hydroxyacetic Acid Detergent	Automated cage and rack washers	Moderate to heavy soil loads
C-4-5G-01	5 gal. pail		Automated glassware washers	All water conditions
C-4-30G-01	30 gal. dr.		Ideal for NHP's, dogs, rabbits, guinea pigs	Hydroxiacetic acid , phosphate free formulation
C-4-55G-01	55 gal. dr.		Aids in neutralizing alkaline salts	
C-5-1G-01	4/1 gal	Cage2Wash 5 Citric Acid Detergent/Descaler	Automated cage and rack washers	Heavy soil loads
C-5-5G-01	5 gal. pail		Automated tunnel washers as stand-alone detergent	All water conditions
C-5-30G-01	30 gal. dr.		Ideal for tough urine scale deposit pre soak and cleaning	Citric acid, phosphate free formulation
C-5-55G-01	55 gal. dr.		Equipment surface descaler	
P-4-1G-01	4/1 gal	Process2Clean 4 General Cleaner Detergent	Manual – equipment and environmental cleaning	Moderate to heavy soils
P-4-5G-01	5 gal. pail		Foam cleaning	All water conditions
P-4-30G-01	30 gal. dr.		Soak cleaning	High foam, phosphate free formulation
P-4-55G-01	55 gal. dr.			
C-N-55G-01	55 gal.	Cage2Wash N Alkaline neutralizing agent	Alkaline neutralizing agent for effluent pH adjustment	Acidic pH conditions that require elevated pH
DQ200V-4G-01	4/1 gal	DECON-QUAT 200V Veterinary Disinfectant, Virucide & Fungicide Quaternary Ammonium compound	EPA Registered disinfectant for use on all equipment and Environmental surfaces. May be sprayed, wiped down, soaked or foamed on.	Apply on previously cleaned surfaces at recommended use dilution with contact time
DQ200V-5G-01	5 gal pail			
DQ200V-30-01	30 gal dr.			
DQ200V-55G-01	55 gal dr			
DECTR-08	24/16 oz.	70% IPA	Trigger spray dispensing	Apply on previously cleaned surfaces
DS200-01A	4/1 gal	DECON-SPORE 200 Plus	EPA Registered disinfectant/sterilant for use on all equipment and environmental surfaces. May be sprayed, wiped down or soaked.	Apply on previously cleaned surfaces at recommended use dilution with contact time

