



# twenty<sup>®</sup>

disinfectant + sanitizer + virucide\*

**ACTIVE INGREDIENTS:**

Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Diocetyl Dimethyl Ammonium Chloride.....	1.5%
Dioctyl Dimethyl Ammonium Chloride.....	1.5%
Alkyl (C14, 50%; C12, 40%; C16, 10%) (dimethyl benzyl ammonium chloride).....	4.0%
<b>INERT INGREDIENTS:</b> .....	90.0%
<b>TOTAL</b> .....	<b>100.0%</b>

For use on hard, non-porous surfaces in: Restaurants, bars, cafeterias, institutional kitchens and food storage areas. Food processing plants, dairy farms, hog farms, equine farms, poultry and turkey farms, and meat/poultry processing plants.

## KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

See below for additional precautionary statements and first aid statements.

**PELIGRO:** SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

**DANGER:** IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** 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 and 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.

**ENVIRONMENTAL HAZARD:** This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

**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.

**GENERAL DISINFECTATION PERFORMANCE IN NON-MEDICAL FACILITIES:** This product is bactericidal according to the AOAC Use Dilution Test method on hard nonporous surfaces modified in the presence of 5% organic serum against: Salmonella enterica, Staphylococcus aureus

**ANIMAL PREMISE VIRUCIDAL\* PERFORMANCE:** This product was evaluated and found to be effective in the presence of 5% blood serum against the following viruses on hard, non-porous surfaces: Avian Influenza A H5N1 virus, Avian influenza/Turkey/Wisconsin virus, Canine Distemper virus, Canine Coronavirus, Equine Influenza A H3N8 virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis virus (IBR), Infectious Laryngotracheitis virus, Newcastle disease virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies virus, Transmissible Gastroenteritis virus (TGE)

**FOOD CONTACT SANITIZING PERFORMANCE:** This product was evaluated in water up to 500-ppm hardness and found to be an effective food-contact surface sanitizer against: Aeromonas hydrophila, Campylobacter jejuni, Clostridium perfringens-vegetative, Escherichia coli, Escherichia coli O111:H8, Escherichia coli O157:H7, Escherichia coli O45:K:H-, Escherichia coli O103:K:H8, Escherichia coli O121:K:H10, Escherichia coli O26:H11, Enterococcus faecalis Vancomycin resistant, Enterobacter sakazakii, Listeria monocytogenes, Klebsiella pneumoniae, Salmonella enterica, Salmonella enteritidis, Salmonella typhi, Shigella dysenteriae, Shigella sonnei, Staphylococcus aureus, Staphylococcus aureus Methicillin Resistant, Streptococcus pyogenes, Yersinia enterocolitica

**DIRECTIONS FOR USE**

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

Before using this product, food products and packaging materials must be removed from the room or carefully protected. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

Prior to use of this product, cover or remove all food and packaging material before disinfection and remove all animals and feeds from areas to be treated, animal transportation vehicles, and enclosures. 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. Do not use in milking stalls, milking parlors or milk houses.

**DISINFECTATION PERFORMANCE IN NON-MEDICAL FACILITIES:** Mix 1.75 ounces of this product with 5 gallons of water (260 ppm active).

For heavily soiled areas, a preliminary cleaning is required. Apply use solution to hard non-porous surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device or by immersion so as to thoroughly wet surfaces. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Immerse all hoppers and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the use solution. After application, 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. Rub with brush, cloth, mop, or sponge. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry. Rinse all treated surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution

at least daily or when use solution becomes visibly dirty.

**FOOD CONTACT SANITIZING DIRECTIONS**

To prevent cross contamination, kitchenware and food contact surfaces of equipment must be washed, rinsed with potable water and sanitized after each use and following any interruption of operation during which time contamination may have occurred.

Where equipment and utensils are used for preparation of foods on a continuous or production line basis, utensils and the food contact surfaces of equipment must be washed, rinsed and sanitized at intervals throughout the day on a schedule based on food temperature, type of food and amount of food particle accumulation.

At 0.75 ounce of this product per 4 gallons this sanitizer fulfills the criteria of Appendix F of the Grade A Pasteurized Milk, Ordinance 1978 Recommendations of the U.S. Public Health Services in waters up to 500 ppm of hardness calculated as CaCO3 when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli and Staphylococcus aureus. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before applications of the sanitizing solution.

**FOOD CONTACT SANITIZING PERFORMANCE:** Apply a use solution of 0.75 to 2 oz of this product per 4 gallons of water (150-400 ppm) (or equivalent use dilution) as is to sanitize hard nonporous food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device or by immersion. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Surfaces must remain wet for at least 1 minute. Allow sanitized surfaces to adequately drain before contact with food. Do not rinse after use as a sanitizer. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

## STORAGE AND DISPOSAL

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

**CONTAINER HANDLING/PESTICIDE STORAGE:** 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. **RESIDUE REMOVAL:** Triple rinse as follows: Fill the container ¼ full with water and reclose. Agitate vigorously and drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat two more times. Wrap container and put in trash or offer for recycling if available. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. Follow Pesticide Disposal instructions.

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santec inc. 1420 east linden ave, linden nj 07036  
www.santecchemical.com net contents: 5 gallons



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