Disinfectant – Cleaner – Sanitizer – Deodorizer with Organic Soil Tolerance for Institutional and Industrial Use

Institutions – Dairies – Beverage and Food Processing Plants – Farm Premises – Poultry Premises – Poultry Hatcheries – Animal Housing Facilities

ACTIVE INGREDIENTS:
Alkyl (C14, 50%; C16, 40%; C16, 10%).......................... 3.00%
Dimethyl benzyl ammonium chloride.......................... 2.50%
Ocyl decyl dimethyl ammonium chloride...................... 1.56%
Diocyl dimethyl ammonium chloride.......................... 0.90%
INERT INGREDIENTS:...................................................... 92.50%
TOTAL:........................................................................... 100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER: CORROSIVE: Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles), face shield, or safety glasses) protective clothing and rubber gloves. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.
DO NOT MIX WITH ANYTHING BUT WATER

FIRST AID
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 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 SWALLOWED: Call a poison control center or doctor 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.
FOR EMERGENCY MEDICAL INFORMATION IN USA OR CANADA, CALL: 1-800-328-0026.
FOR EMERGENCY MEDICAL INFORMATION WORLDWIDE, CALL: 1-651-222-5352 (IN THE USA).
Have the product container or label with when calling a poison control center or doctor, or going for treatment.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.
ENVIRONMENTAL HAZARDS: 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 to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in manner inconsistent with its labeling.
Apply Quorum Clear V with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. Fresh solution should be prepared daily or when the use solution becomes visibly dirty.
Disinfecting-Dairies, Beverage and Food Processing Plants: For floors, walls, worktops, garage stalls, garages, pits, telephones, restrooms, bathroom fixtures, and other hard, nonporous surfaces. Quorum Clear V is effective against Pseudomonas aeruginosa at 1.0 oz. per gallon of water. Remove gross filth or heavy soil and pre-clean surface. Apply disinfecting solution to surface by flushing, mopping, mopping or hand pump spraying so that to thoroughly wet surface. Allow surface to remain wet for 10 minutes, then remove solution with a clean mop, cloth, or wet vacuum pickup. Prepare fresh solution at least daily or when use becomes visibly dirty. Any food contact surfaces that have been disinfected must be thoroughly rinsed with potable water.
Deodorization: This product deodorizes garbage storage areas, garbage bins, toilet bowls and other hard non-porous surfaces in odor causing areas. Mix 1/2 oz. per gallon of water and apply solution to surfaces. Thoroughly wet surfaces, allow to air dry.
Disinfection of Poultry Premises, Trucks, Coops and Crates:
1. Remove all poultry and feeds from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with a detergent and rinse with water.
5. Saturate surfaces with 4.0 oz. per 4 gallons of water Quorum Clear V solution for a period of 10 minutes.
6. Ventilate buildings, coops and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried.
7. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with a detergent and rinse with potable water before reuse.

See your Ecolab representative for specific recommendations for all cleaning and rinsing requirements.

**Poultry Hatchery Disinfection:**
Clean out any remaining eggs and chicks. Remove gross soils, such as litter, dungs, shell fragments or other hatching related debris. Empty all run and replace other equipment. Thoroughly wash all surfaces, including floors, walls, conveyors, trays and water systems with a recommended detergent. Rinse thoroughly with water. Apply 4.0 oz. per 4 gallons of water solution of Quorum Clear V with a mop, cloth, brush or coarse spray.

Apply to hatcher's sets, trays, racks, sexing tables, delivery trucks and other hard surfaces. Wet surfaces and allow to remain wet for 10 minutes. Ventilate buildings and other closed spaces. Allow to dry before reintroducing eggs.

**Disinfection and Sanitizing of Animal Housing Facilities (Barns, Kennels, Hutchens):**
Remove animals and feed from facilities. Remove litter, waste matter and gross soils. Empty all troughs, rack and other feeding and watering equipment. Wash surfaces with a recommended alkaline detergent, by manual, foam, or spray application. Rinse with water. Apply a 4.0 oz. per 4 gallons of water solution of Quorum Clear V with a mop, cloth or coarse spray. Wet all surfaces and allow to remain wet for 10 minutes. Immerse all hoppers, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used. Change water in manure and manure holding and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed set and 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.

**Disinfection Sani-chlor:**
Quorum Clear V can be used to sanitize hard, non-porous food contact surfaces such as tables, counters, and food processing equipment. Pre-flush or pre-scrape utensils, glasses and hard, non-porous surfaces to remove gross food particles, pre-soak if necessary. Thoroughly wash surfaces with detergent followed by a potable water rinse. Till all movable surfaces for proper drainage. Sanitize in 150 to 400 ppm solution (0.25 oz - 0.67 oz. per 1 gallon of water). Immerse utensils, glasses, and plates for at least 1 minute. Thoroughly wet immovable surfaces using cloth, spray or sponge for 1 minute. Place sanitized utensils, glasses, and plates on rack or drain board to dry. Let immovable surfaces drain and air dry. Do not rinse. Prepare a fresh solution daily.

**Shoe Bath Sanitizer Directions:**
To prevent tracking harmful organisms into animal areas, shoe baths containing one of the following solutions should be placed at all entrances to buildings and hatcheries. Sanitize in a solution of 0.34 oz. of Quorum Clear V per 1 gallon of water (200 ppm). Scrape waterproof workboots (shoes) and place in solution for 60 seconds prior to entering and after leaving the solution in the bath daily or sooner if solution appears diluted or soiled.

**Shoe Foam Sanitizer Directions (Use not approved in the State of California):**
Quorum Clear V can be used to prevent tracking harmful organisms into animal areas and packaging and storage areas of food plants. Apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1.36 to 2 ounces per gallon of water (or equivalent use dilution) (800 to 1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aeroactor to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aeroactor. Scrape waterproof shoes. Stand and/or walk through foamed area for 60 seconds prior to entering area. Foam area should be washed down and replaced when the foaming is completed. If the building or room must be entered, then the individuals entering must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants. FOGGING IS NOT TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUFACTURING AND DISINFECTING FOR ROOM AND MACHINE SURFACES.

**Sanitizing Hatchery Rooms Using Fogging Devices:**
Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls, and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Mix 187 ounces of this product to 2.5 gallons water. Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. When fogging is completed with vestigial building and other closed spaces. Do not use livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with soap or detergent and rinse with water. Foggng is to be used as an adjunct to acceptable manual cleaning and disinfecting of surfaces.

**SANITIZING NON-POURUS GLOVED HANDS:**
To prevent the spreading of harmful organisms into animals areas and the packaging and storage areas of food plants, dip pre-washed (plastic or natural rubber) gloves hands into a suitable clean container that contains enough freshly made sanitizing solution to cover the gloved area.

Do not let sanitizing solution come in contact with exposed skin. Make up the sanitizing solution by adding 1 to 2.67 ounces of product per 4 gallons of water (or equivalent use dilution) (150-400 ppm active). Dip (soak) in solution for 60 seconds. No potable water rinse is allowed. Change the sanitizing solution in the bath at least daily or when solution appears dirty.

**NOTE:**
For MECHANICAL OPERATIONS: A prepared use solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning.

**FOR MANUAL OPERATIONS:** Prepare a fresh sanitizing solution as needed or for soiled.

**STORAGE AND DISPOSAL:**
Do NOT containmate WATER, FOOR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE:** Keep in cool area. Keep container closed when not in use. In case of spill, dike area; take up the material with absorbent and place in sealed container for proper disposal. Small spills may be mopped up and the mop laundered. Do not reuse container. Do not stack up over three pails high. This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**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. The Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinsed (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. EPA Reg. No. 1677-198

EPA Est. 1677-IL-2 (J), 1677-TX-1 (D), 1677-MA-1 (M), 1677-CA (S), 1677-MN-1 (P), 1677-PR (B), 70271-CA-2 (C), 1677-001-1 (H), 1677-CA-2 (R), 1677-WV-1 (V), 305-31-1 (L), 1677-IL-5 (N).
Superscript refers to first letter of date code.
51140
Net Contents: 55 U.S. gal/208.2 L

Disinfectant - Sanitizer - Deodorizer - One-Step Cleaner/Disinfectant
for Institutional and Industrial Use

See front label for Precautionary Statements, First Aid instructions, and Storage & Disposal.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling. Apply Quorum Clear V with a cloth, mop, brush, or sponge. When applied with a mechanical sprayer, contact surfaces should be dusted with a coarse spray, not in a stream. For spray applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge, or cloth; and allow to air dry. Fresh solution should be prepared daily or immediately when use solution becomes visibly dirty.

GENERAL DISINFECT/MIRUCIDAL/GUMICIDAL DIRECTIONS:
At 1:30 oz. per 1 gallon of water, this product is an effective general disinfectant that can be used to disinfect floors, walls, worktops, sinks, garbage pails, telephones, rest rooms, bathroom fittings, and animal enclosures. For heavily soiled areas, a pre-cleaning step is required. Apply disinfecting solution to surface by flushing, mopping, spraying or hosepipe spraying so as to thoroughly wet surface. Allow surface to remain wet for 10 minutes. Remove surface contamination with a clean mop, cloth, or vacuum. Do not allow to air dry. Fresh solution should be prepared daily or immediately when use solution becomes visibly dirty. Any food contact surfaces that have been disinfected should be rinsed thoroughly with potable water. Do not use this product on glazed surfaces. Before use in federally inspected meat and poultry processing plants and dairy, use products and packaging materials must be removed from the room or carefully protected. Disinfectant Quorum Vls with Avian Influenza A virus and Mycobacterium avium, Newcastle’s Disease Virus.

Poultry and Swine Premise Disinfection:
1. Remove all litter, droppings, and feed from premises, vehicles and enclosures such as coops and crates.
2. Remove all litter, droppings, and feed from premises, vehicles and enclosures such as coops and crates.
3. Saturate all surfaces with a detergent and rinse with water. Do not use this product on glazed surfaces. Before use in federally inspected meat and poultry processing plants and dairy, use products and packaging materials must be removed from the room or carefully protected. Disinfectant Quorum Vls with Avian Influenza A virus and Mycobacterium avium, Newcastle’s Disease Virus.

Non-Food Contact Surface Sanitizing:
Add 0.3 oz. of Quorum Clear V per gallon of water (200 ppm active quat) to sanitize non-food contact surfaces. Apply sanitizer solution-use with a cloth, mop, sponge, or sprayer. For spray applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 60 seconds. Wipe dry with a sponge, cloth, or allow to air dry.

Entryway Sanitizing Systems:
To prevent cross contamination of harmful organisms from area to area, the system delivers contaminated air to a common point (200 ppm active quat). To achieve a 200 ppm active quat solution, the solution should be sprayed to cover the entire area. Do not let sanitizing solution come in contact with exposed skin. Make the sanitizing solution by adding to 1.267 oz. of product per 4 gallons of water (or equivalent use dilution (1:210, 1:100 ppm activequat). No leaks in area, and legible, eatable water rinse is allowed. Change the sanitizing solution in the bath at least daily or after solution appears dirty.

Directors for Foaming:
To sanitize hard, non-porous room surfaces in diners, beverage and food processing plants. Prior to foaming, food products and packaging material must be removed from the room and carefully protected. After cleaning, fog desired areas using one quart per 1000 cu. ft. of room area with Quorum Vls solution containing 1.5 oz. of Quorum Clear V per gallon of water. Vacuum area at least 30 minutes after fogging is completed. If the room or area must be entered, then the individuals entering must wear a self-contained respirator equipped with an N95 mask. Use the fogging machine to be used as an agent to acceptable manual cleaning and disinfecting of room and machines.

Sanitizing Hatcher Rooms Using Fogging Devices:
To sanitize exterior and interior of hatchery rooms. Remove all litter and manure from floors, walls, and surfaces of the room to be treated. Empty all litters, rakes and other feeding and watering equipments. Thoroughly clean all surfaces with soap or detergent and rinse with potable water. For best results, 1:100 ppmquat solution. Use a 1:100 ppm solution of Mycobacterium avium in the hatchery. Mix 167 oz of this product to 2.5 gallons water. Insert the nozzle of the fogger through a hatchery opening into the room. With the setting in maximum output, fog for one minute for each 400 cubic feet of space in the room. Repeat this procedure until all birds have been fogged (30-60 minutes after fogging is completed). Thoroughly clean all surfaces with soap or detergent and rinse with water. Fogging is to be used as an adequate manual cleaning and disinfecting of room and machines.

NOTE: For mechanical inactivation: A prepared use solution may not be reused, but may be reused for other purposes such as cleaning.

For MANUAL OPERATIONS: Prepare a fresh sanitizing solution as soon as it becomes diluted or soiled.

To sanitize Food Contact Surfaces, Food Processing Equipment and Other Hard Surfaces in Food Processing Locations, Dairies, or Restaurants:
Use Quorum Clear V to sanitize pre-cleaned hard-porous surfaces of food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refurbished storage areas and display equipment and other hard-porous surfaces in federally inspected meat and poultry plants or restaurants. Prior to application, remove gross food particles and soil by a pre-flush, pre-scrub or when necessary, a pre-soak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner followed by a potable water rinse before application of the sanitizing solution. Apply a use-solution of 1 oz. to 2.67 oz. of Quorum Clear V per 4 gallons of 400 ppm hard water (150 - 400 ppm active quat) or 1.25 oz. to 2.67 oz. of Quorum Clear V per 4 gallons of 500 ppm hard water (400 - 400 ppm active quat). Expose all surfaces to the sanitizing solution for a period of not less than 1 minute. Allow equipment to drain thoroughly and air dry. In dairy processing facilities and restaurants in Wisconsin, clean equipment with a good detergent and follow with a potable water rinse, then rinse equipment with a sanitizing solution of 1.25 oz. to 2.67 oz. of Quorum Clear V per 4 gallons of 500 ppm hard water (200 - 400 ppm active quat). For Continuous Treatment of Conveyors:
Remove gross food particles and soil by a pre-flush or pre-scrub. Wash with a good detergent or compatible cleaner. Rinse equipment thoroughly with potable water, then rinse equipment with a sanitizing solution. During processing, apply Quorum Clear V at 1 to 400 ppm quat level to conveyors, and with MKM MASTER disinfected Quorum Clear V solution of 150 to 400 ppm. Conveyors and other equipment must be free of product when applying this concentrate. Use spray 200 ppm to 400 ppm quat level in Wisconsin dairy processing facilities.

Sanitizing Shell Eggs Intended For Food:
To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants with spray with a solution of 1 oz. to 2.67 oz. of Quorum Clear V per 4 gallons of 400 ppm. The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allowed to drain. Eggs sanitized with Quorum Clear V shall be subjected to a potable water rinse only if broken immediately after use in the manufacture of egg products. Eggs should be thoroughly dry before breaking or canoeing. Do not reuse solution for sanitizing eggs. Use clean, whole, naturally fertilized. Dirty, cracked or punctured eggs cannot be sanitized.

Sanitizing – Non-Porous Gave Hands:
To prevent the spreading of harmful organisms into animals and the packaging and storage areas of food plants, dip pre-washed (latex or synthetic rubber) gloves into a 1:100 ppm solution of Quorum Clear V to moisten. Use a 1:100 ppm solution to cover the gloved area. Do not let sanitizing solution come in contact with exposed skin. Make the sanitizing solution by adding to 1.267 oz. of product per 4 gallons of water (or equivalent use dilution (1:210, 1:100 ppm activequat). Dips in area, and legible, eatable water rinse is allowed. Change the sanitizing solution in the bath at least daily or after solution appears dirty.