

# FLO-QUAT

**DISINFECTANT • SANITIZER • VIRUCIDE\* • With Organic**

**Soil Tolerance For Institutional, Industrial, School, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants**

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND VIRUCIDE IN THE PRESENCE OF 5% BLOOD SERUM.**

<b>ACTIVE INGREDIENTS:</b>	
Octyl Decyl Dimethyl Ammonium Chloride.....	3.0%
Didecyl Dimethyl Ammonium Chloride.....	1.5%
Diocetyl Dimethyl Ammonium Chloride.....	1.5%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride.....	4.0%
<b>INERT INGREDIENTS:</b> .....	<b>90.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO**

See side panel for additional precautionary statements.  
EPA REG. NO. 10324-117-10693 • EPA EST. NO. 10693-CA-1

**NET CONTENTS: □15 GALLON (56.7L) □30 GALLON (113.5L) □55 GALLON (208.2L)**

**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.

**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.

This product is not for use on Medical device surfaces.

**INSTITUTIONAL DISINFECTANT DIRECTIONS (Hospitals, and Other Health Care Institutions):** For heavily soiled areas, a preliminary cleaning is required. For disinfecting hard, non-porous surfaces such as floors, walls, countertops, bathing areas, lavatories, tables, chairs, garbage pails, add 3 ounces of this product to 5 gallons of water (450 ppm active) to disinfect hard, non-porous surfaces. Apply use solution to surfaces, thoroughly wetting surfaces with a brush, cloth, mop, sponge, auto scrubber or mechanical spray device, coarse pump or trigger spray device or by immersion. 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 10 minutes. Allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly soiled.

**\*KILLS HIV, HBV and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) associated with AIDS, Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

**“SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV and HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.”**

**Personal Protection:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye protection.

**Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from hard, non-porous surfaces and objects before application of this product.

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

**Contact Time:** For HIV, leave hard, non-porous surfaces wet for two minutes with a 3-ounce of this product per 5 gallons of water (450 ppm active) use solution. This contact time will not control other common types of viruses and bacteria. For HBV and HCV, leave hard, non-porous surfaces wet for 10 minutes with a 3-ounce of this product per 5 gallons (450 ppm active) use solution.

**\*\*DISINFECTION PERFORMANCE IN INSTITUTIONS AND NON-MEDICAL FACILITIES:** At 3 ounces of this product per 5 gallons of water use level (450 ppm active) and with a 10-minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces modified in the presence of 5% organic serum against:

*Burkholderia cepacia, Campylobacter jejuni, Clostridium perfringens-vegetative, Corynebacterium ammoniagenes, Escherichia coli O157:H7, Enterococcus faecium Vancomycin Resistant (VRE), Klebsiella pneumoniae, Listeria monocytogenes, Pseudomonas aeruginosa, Rhodococcus equi, Salmonella enterica, Salmonella enterica serovar agona, Salmonella enterica serovar anatum, Salmonella enterica serovar infantis, Salmonella enterica serovar Newport, Salmonella enterica serovar typhimurium, Salmonella typhi, Shigella sonnei, Staphylococcus aureus, Staphylococcus aureus Methicillin Resistant, Community Associated Methicillin Resistant Staphylococcus aureus (CA-MRSA), and Streptococcus equi.*

**\*FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A H5N1 VIRUS:** For use in hospitals, hotels, motels, schools and other non-animal use sites, follow the **INSTITUTIONAL DISINFECTANT DIRECTIONS**.

**VIRUCIDAL\* PERFORMANCE:** At 3 ounces of this product per 5 gallons of water use level (450 ppm active), this product was evaluated with a 10-minute contact time in the presence of 5% blood serum and found to be effective against the following viruses on hard, non-porous surfaces:



**LICENSED**

PERIOD **2013-2015** LIC. NO.

**9589.24**

Avian Influenza A H5N1 virus  
 Avian influenza/Turkey/Wisconsin virus  
 Herpes Simplex Type1 virus  
 Herpes Simplex Type 2 virus  
 Human Coronavirus  
 Influenza A H1N1 virus  
 Influenza A2/Hong Kong virus H3N1  
 Influenza A2/J305 virus  
 Vaccinia virus

At 3 ounces per 5 gallons of water in the presence of 5% organic load, this product was proven to be effective against Duck Hepatitis B Virus (HBV) and Bovine Viral Diarrhea Virus BVDV surrogate for human Hepatitis C virus (HCV) with a contact time of 10 minutes.

**TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES:** For heavily soiled areas, pre-cleaning step is required. For use on countertops, exterior surfaces of appliances, tables and other hard, non-porous surfaces, add 3 ounces of this product to 5 gallons of water. Apply solution with a brush, mop, cloth, sponge, auto scrubber, mechanical spray device, coarse pump, trigger spray device or by immersion so as to wet all surfaces thoroughly. For sprayer applications, spray 6-8 inches from surface. Rub with brush, cloth, or sponge. Allow surface to remain wet for 10 minutes. Wipe up excess liquid with a paper towel. Rinse the surface with potable water. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly soiled.

**FOOD CONTACT SANITIZING DIRECTIONS:** Before use as a sanitizer in public eating places and dairies, food products and packaging materials must be removed from the room or carefully protected. 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 application of the sanitizing solution.

**FOR FOOD PROCESSING EQUIPMENT AND UTENSILS IN FOOD PROCESSING FACILITIES:** Apply a solution of 0.75 to 2 ounces of this product in 4 gallons of water (150-400 ppm active) to pre-cleaned, hard, non-porous surfaces thoroughly wetting surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device, coarse pump, trigger spray device or by immersion. For spray applications, spray 6 to 8 inches from surface. Rub with brush, sponge, or cloth. Do not breathe spray. From a Closed Loop Dilution Center, apply 150-400 ppm active solution to the surface to be sanitized. Surfaces must remain wet for at least 60 seconds. Let surfaces drain and then air dry. **NO POTABLE WATER RINSE IS ALLOWED** following the use of this product on previously cleaned hard, non-porous surfaces. 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.

**FOOD CONTACT SANITIZING PERFORMANCE:** At 1 ounce of this product per 4 gallons of water (200 ppm active), this product eliminates 99.999% of the following bacteria in 60 seconds in 500 ppm hard water calculated as CaCO3 according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test:

Aeromonas hydrophila	Enterococcus faecalis Vancomycin resistant	Salmonella enteritidis
Campylobacter jejuni	Staphylococcus aureus Methicillin Resistant	Shigella dysenteriae
Clostridium perfringens-vegetative	Enterobacter sakazakii	Shigella sonnei
Escherichia coli Salmonella typhi	Listeria monocytogenes	Staphylococcus aureus
Escherichia coli O157:H7	Klebsiella pneumoniae	Streptococcus pyogenes
Escherichia coli O111:H8	Salmonella enterica	Yersinia enterocolitica

At 0.75 ounces per 4 gallons (150 ppm active) this product is effective with a 1-minute contact time as a food-contact surface sanitizer in water up to 500-ppm hardness against Escherichia coli and Staphylococcus aureus.

**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.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty 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.

**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. If rinsate cannot be used, follow pesticide disposal instructions.

**RESIDUE REMOVAL INSTRUCTIONS:** To clean the container before final disposal, empty the remaining contents from this container into a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds then stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times.



Sold by: **LMC Enterprises dba Flo-Kem**  
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Product No. 630

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**DOT Information:**

UN1903, Disinfectant, Liquid, Corrosive, n.o.s. (Quaternary Ammonium Compounds), DOT 8, PGII