

DISINFECTION PERFORMANCE: This product kills the following bacteria in 10 minutes at 3.5 oz. per 4.5 gal. of 200 ppm hard water (450 ppm active) and 5% soil on hard, non-porous surfaces: *Escherichia coli* O157:H7, *Enterococcus faecalis* Vancomycin Resistant (VRE), *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Rhodococcus equi*, *Salmonella enterica*, *Salmonella typhi*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant, *Staphylococcus aureus* Community Associated Methicillin Resistant (CA-MRSA), *Streptococcus equi*.

IRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 3.5 oz. per 4.5 gal. of 200 ppm hard water (450 ppm active) and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus, Herpes Simplex Type 1 Virus, Herpes Simplex Type 2 Virus, Human Coronavirus, Human Immunodeficiency Virus Type 1†, Influenza A2/Hong Kong Virus, Vaccinia Virus. *Indicates a 2-minute contact time is required for this claim.*

This product kills the following viruses in 10 minutes at 2 oz. per gal. of 200 ppm hard water (1175 ppm active) and 5% soil on hard, non-porous surfaces: **Norovirus.

This product kills the following viruses in 10 minutes at 3 oz. per gal. of 200 ppm hard water (1750 ppm active) and 5% soil on hard, non-porous surfaces: ***Hepatitis B Virus (HBV), ***Hepatitis C Virus (HCV).

FOOD CONTACT SURFACE SANITIZING PERFORMANCE: This product is an effective food contact sanitizer in 1 minute at 1.36 oz. per 4 gal. of 500 ppm hard water (200 ppm active) on hard, non-porous surfaces against: *Aeromonas hydrophila*, *Campylobacter jejuni*, *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, *Listeria monocytogenes*, *Klebsiella pneumoniae*, *Salmonella enterica*, *Salmonella enteritidis*, *Salmonella typhi*, *Shigella dysenteriae*, *Shigella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant, *Streptococcus pyogenes*, *Yersinia enterocolitica*.

This product is an effective food contact sanitizer in 1 minute at 1 oz. per 4 gal. of 300 ppm hard water (150 ppm active) on hard, non-porous surfaces against: *Escherichia coli*, *Staphylococcus aureus*.

This product is an effective food contact sanitizer in 1 minute at 2.67 oz. per 4 gal. of 1000 ppm hard water (400 ppm active) on hard, non-porous surfaces against: *Escherichia coli*, *Staphylococcus aureus*.

ACTIVE INGREDIENTS:
 Alkyl (50% C14, 40% C12, 10% C16).....3.0%
 Dimethyl Benzyl Ammonium Chloride.....2.3%
 Octyl Decyl Dimethyl Ammonium Chloride.....1.1%
 Didecyl Dimethyl Ammonium Chloride.....1.1%
 Dioctyl Dimethyl Ammonium Chloride.....1.1%
OTHER INGREDIENTS:.....92.5%
TOTAL:.....100.0%

Refresh Quat Sanitizer

#9709M

Disinfectant, Food Contact Sanitizer
 For use in Restaurants, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants and Institutional Kitchens. Laundry Presoak Sanitizer. Laundry Bacteriostat. Sanitizes fabrics, reducing bacterial count by 99.9%. For residual bacteriostatic activity, conditions of high relative humidity or wet contamination are required. This product can be used on hard, non-porous surfaces such as countertops, tables, chairs, floors, washable walls.

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

FIRST AID: In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
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.
IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.
IF SWALLOWED: 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. Call a poison control center or doctor immediately for treatment advice.
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.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

**PRECAUTIONARY STATEMENTS
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS**
DANGER. 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 chemical-resistant 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 HAZARDS
 This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. 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.
**SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN PARA QUE SE LA EXPLIQUE A USTED EN DETALLE.
 IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.**

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 3.5 oz. per 4.5 gal. of 200 ppm hard water (450 ppm active) and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus, Canine Coronavirus, Canine Distemper Virus, Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis Virus, Infectious Laryngotracheitis Virus, Newcastle Disease Virus, Porcine Reproductive and Respiratory Syndrome Virus (PRRSV), Porcine Rotavirus, Pseudorabies Virus, Transmissible Gastroenteritis Virus (TGE).

LAUNDRY BACTERIOSTAT FOR COMMERCIAL, INDUSTRIAL, AND NON-MEDICAL INSTITUTIONAL LAUNDRY APPLICATIONS: This product provides the fabric with residual bacteriostatic activity against odor causing gram-negative and gram-positive bacteria when added to the final rinse at a rate of 13.3 oz. of this product per 100 lbs. of dry laundry. This product was evaluated against: *Corynebacterium ammoniagenes*, *Klebsiella pneumoniae*, *Staphylococcus aureus*.

LAUNDRY PRESOAK DISINFECTION PERFORMANCE (Not for use in CA): This product is an effective laundry presoak disinfectant in 10 minutes at 3.5 oz. per 4.5 gal. of 200 ppm hard water (450 ppm active) against the following organisms: *Burkholderia cepacia*, *Campylobacter jejuni*, *Corynebacterium ammoniagenes*, *Enterococcus faecium*, *Escherichia coli* O157:H7, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Rhodococcus equi*, *Salmonella enterica*, *Salmonella enterica serovar typhimurium*, *Salmonella typhi*, *Staphylococcus aureus*, *Staphylococcus aureus* Community Associated Methicillin Resistant (CA-MRSA), *Streptococcus equi*, Avian Influenza A (H5N1) Virus, Herpes Simplex Type 1 Virus, Herpes Simplex Type 2 Virus, Human Coronavirus, Human Immunodeficiency Virus Type 1†, Influenza A (H1N1) Virus, Influenza A2/Hong Kong Virus (H3N2), Vaccinia Virus.

Indicates a 2-minute contact time is required for this claim.
LAUNDRY PRESOAK SANITIZER PERFORMANCE (Not for use in CA): This product is an effective laundry presoak sanitizer in 3 minutes at 0.75 oz. per gal. of 200 ppm hard water (450 ppm active) against the following organisms: *Klebsiella pneumoniae*, *Staphylococcus aureus*.

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 in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected. This product is not for use on medical device surfaces.
FOR USE AS A GENERAL, HOSPITAL, DISINFECTANT, VIRUCIDE*: 1. Pre-clean visibly soiled areas. 2. Apply use solution of 3.5 - 13.5 oz. of this product per 4.5 gal. of water (or equivalent use dilution) to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device.

Net Contents: 1 Gallon
 2X1 Gallons (Total: 2 Gallons)
 4X1 Gallons (Total: 4 Gallons)
 5 Gallons 15 Gallons 55 Gallons

brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. 3. Treated surfaces must remain wet for 10 minutes. Rinse with potable water after use on surfaces that come in contact with food. 4. Wipe dry with a clean cloth or allow to air dry. 5. Prepare a fresh solution daily or when visibly dirty.
***KILLS HIV, HBV AND HCV ON PRE-CLEANED HARD, NON-POROUS 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 hard, non-porous 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: Wear protective 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: Allow hard, non-porous surface to remain wet for 2 minutes to kill HIV and for 10 minutes to kill all other viruses and bacteria listed on the label.

FOOD CONTACT SURFACE SANITIZING DIRECTIONS
 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 SURFACE SANITIZING DILUTION TABLE: To prepare a 150, 200, 300 or 400 ppm active solution use the following dilution table. Prepare the correct dilution rate based upon the appropriate use site.

Active solution	1 gal.	4 gal.	10 gal.	20 gal.
150 ppm	0.25 oz.	1.0 oz.	2.5 oz.	5.0 oz.
200 ppm	0.34 oz.	1.36 oz.	3.4 oz.	6.8 oz.
300 ppm	0.50 oz.	2.0 oz.	5.0 oz.	10.0 oz.
400 ppm	0.67 oz.	2.67 oz.	6.67 oz.	13.3 oz.

FOOD CONTACT SURFACE SANITIZING PERFORMANCE FOR PUBLIC EATING PLACES, DAIRY PROCESSING EQUIPMENT AND FOOD PROCESSING EQUIPMENT, UTENSILS, AND OTHER HARD, NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, DAIRIES, BAKERIES, CANNERIES, BEVERAGE PLANTS, RESTAURANTS, AND BARS DIRECTIONS: Immerse pre-cleaned glassware, dishes, silverware, cooking utensils and other similarly sized food processing equipment in a solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal of water) (150-400 ppm active quat) (or equivalent use dilution) for at least 1 minute. Allow sanitized surfaces to adequately drain before contact with food. Do not rinse.
 For articles too large for immersing, apply a use solution of 1-2.67 oz. of this product per 4 gal. of water (0.25-0.67 oz. per gal of water) (150-400 ppm active quat) (or equivalent use dilution) to sanitize hard, non-porous food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For spray applications, spray 6 - 8 inches from surface. Do not breathe spray. Surfaces must remain wet for at least 1 minute. Allow sanitized surfaces to adequately drain before contact with food. Do not rinse. Prepare a fresh solution daily or when visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

ANIMAL PREMISES
 Prior to use of this product, remove all animals and feeds from premises, 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 animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.
FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE*: Apply a use solution of 3.5 oz. of this product per 4.5 gal. of water (or equivalent use dilution) to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For spray applications, spray 6 - 8 inches from surface. Do not breathe spray. Immerse all halters 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. Treated surfaces must remain wet for 10 minutes. Ventilate buildings, coops, and other closed spaces. Do not house animals or employ equipment until treatment has 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.

UN1903

Disinfectants, Liquid, Corrosive, N.O.S. (Quaternary Ammonium Compound), 8, PGII

LAUNDRY USE (Not for use in CA.)
LAUNDRY BACTERIOSTAT COMMERCIAL AND INSTITUTIONAL LAUNDRY USE: For residual bacteriostatic activity against gram negative and/or gram-positive odor-causing bacteria.
Initial Treatment: Use 13.3 oz. of this product per 100 pounds of fabric (dry weight) (or equivalent use dilution). Dilute the appropriate amount of this product in 1 - 2 gal. of water, and then add solution to the wash wheel at the beginning of the final rinse cycle. A minimum rinse cycle time of 5 minutes is required.
Repeat Treatment: Follow Initial Treatment directions and re-treat fabric after each washing or if odor persists.
LAUNDRY DEODORIZER AGAINST ODOR CAUSING BACTERIA: For activity against odor causing bacteria caused by conditions of high relative humidity or wet contamination, use 13.3 oz. of this product per 100 pounds of dry weight fabric. Dilute the appropriate amount of this product in 1 - 2 gal. of water, and then add to the wash wheel in the final rinse. Re-treat fabric after each washing. Laundered fabric may also be treated by soaking.
PRESERVATION AGAINST MILDEW BY SOAKING: Use 13.3 oz. of this product per 100 pounds of fabric (dry weight). A minimum soaking time of 5 minutes is required.
LAUNDRY PRESOAK DISINFECTION: Remove gross filth from laundry prior to soaking. Prepare a use solution of 3.5 oz. of this product per 4.5 gal. of water (450 ppm active) (or equivalent use dilution). Completely immerse laundry in use solution for at least 10 minutes to disinfect.
KILLS HIV-1 ON LAUNDRY IN COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL APPLICATIONS. This product provides virucidal* activity against HIV-1 on fabrics after a 2-minute soak.
LAUNDRY PRESOAK SANITIZATION: Remove gross filth from laundry prior to soaking. Prepare a use solution of 0.75 oz. of this product per gal. of water (450 ppm active) (or equivalent use dilution). Completely immerse laundry in use solution for at least 3 minutes to sanitize.
FOR USE IN SMALL COMMERCIAL WASHING MACHINES: Use the chart below to determine the equivalent use dilution per wash load for use as a Laundry Presoak Sanitizer in small commercial washing machines. This is based on 5 parts water to 1 part laundry.

Washer Capacity (lbs. dry laundry)	oz. (per wash load)
25	12
50	24
75	36

STORAGE AND DISPOSAL
 Do not contaminate water, food, or feed by storage and disposal.
PESTICIDE STORAGE: Store only in original container. 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 HANDLING: *For non-refillable containers equal to or less than 5 gal.*
 Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. *For non-refillable containers greater than 5 gal.*
 Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 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. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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