

PI QUAT 20

CLEANER • DISINFECTANT • SANITIZER
FUNGICIDE • VIRUCIDE*

With Organic Soil for Equine, Poultry/Turkey Farms

ACTIVE INGREDIENTS:

Alkyl (60% C14, 30% C16, 5% C12, 5% C18)
Dimethyl Benzyl Ammonium Chloride..... 10.0%
Alkyl (68% C12, 32% C14)

Dimethyl Ethylbenzyl Ammonium Chloride 10.0%

OTHER INGREDIENTS:..... 80.0%

TOTAL:..... 100.0%

EPA Reg. No. 10324-94-66171 ■ EPA Est. No. 66171-CA-1 (C) ■ EPA Est. No. 66171-TN-1 (M)

KEEP OUT OF REACH OF CHILDREN
DANGER

See side panel for additional precautionary statements.

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: 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

For chemical emergencies, call 1-800-498-5743 (US & Canada) or 1-651-523-0318 (all other areas), 24 hours a day, 7 days a week.

Manufactured for: Preserve International®
944 Nandino Blvd., Lexington, KY 40511 U.S.A.

Net Contents: 1 Gallon (3.79 L)

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, 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.

This product contains no phosphorus. This product is a versatile disinfectant and sanitizer for veterinarian, veterinary practice, animal care, animal laboratory, and farm premise applications. This product can be applied through foaming apparatus and low-pressure sprayer systems. Follow manufacturers' instructions when using this equipment. For use in poultry premises (hatcheries): egg receiving area, egg holding area, setter room, tray dumping area, chick holding area, hatchery room, chick processing area, chick loading area, and poultry buildings. This product is for use on hatchers, setters, trays, racks, egg flats, chick boxes, egg cases, vans and trash containers, seed houses, poultry/turkey equipment, carts, sexing tables, and automated tray, rack and buggy washers, and other hard, non-porous surfaces.

DISINFECTION PERFORMANCE: This product kills the following bacteria in 10 minutes at 1 oz. per gal. of 400 ppm hard water (1550 ppm active) and 5% soil on hard, non-porous surfaces:

<i>Burkholderia cepacia</i>	<i>Klebsiella pneumoniae</i>	<i>Salmonella enterica</i> serovar <i>Typhi</i>
<i>Campylobacter jejuni</i>	<i>Listeria monocytogenes</i>	<i>Shigella sonnei</i>
<i>Corynebacterium ammoniagenes</i>	<i>Proteus mirabilis</i>	<i>Staphylococcus aureus</i>
<i>Enterococcus faecium</i>	<i>Pseudomonas aeruginosa</i>	<i>Staphylococcus aureus</i> (MRSA)
<i>Escherichia coli</i> O157:H7	<i>Salmonella enterica</i>	<i>Staphylococcus aureus</i> (CA-MRSA)

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 1 oz. per gal. of 400 ppm hard water (1550 ppm active) and 5% soil on hard, non-porous surfaces:

Avian Influenza A (H5N1) Virus	Canine Coronavirus	Porcine Respiratory and Reproductive Syndrome Virus
Avian Influenza A (H5N2) Virus	Canine Distemper Virus	Porcine Rotavirus
Avian Infectious Bronchitis Virus	Equine Arteritis Virus	Pseudorabies Virus
Avian Reovirus	Infectious Bovine Rhinotracheitis Virus	Transmissible Gastroenteritis Virus (TGE)
Bovine Viral Diarrhea Virus	Newcastle Disease Virus	

FOOD CONTACT SURFACE SANITIZING PERFORMANCE: This product is an effective food contact sanitizer in 1 minute at 0.5 oz. per 4 gal. of 500 ppm hard water (200 ppm active) on hard, non-porous surfaces against:

<i>Aeromonas hydrophila</i>	<i>Escherichia coli</i> O45:K-;H-	<i>Listeria monocytogenes</i>
<i>Campylobacter jejuni</i>	<i>Escherichia coli</i> O103:K:H8	<i>Salmonella enterica</i> serovar <i>Typhi</i>
<i>Cronobacter sakazakii</i>	<i>Escherichia coli</i> O111:H8	<i>Shigella dysenteriae</i>
<i>Enterobacter faecalis</i>	<i>Escherichia coli</i> O121:K-;H10	<i>Staphylococcus aureus</i>
<i>Escherichia coli</i>	<i>Escherichia coli</i> O145:H48	<i>Streptococcus pyogenes</i>
<i>Escherichia coli</i> O26:H11	<i>Escherichia coli</i> O157:H7	<i>Yersinia enterocolitica</i>

NON-FOOD CONTACT SURFACE SANITIZING PERFORMANCE: This product is an effective one-step sanitizer in 3 minutes at 2 oz. per 4 gal. of 400 ppm hard water (780 ppm active) and 5% soil on hard, non-porous surfaces against: *Staphylococcus aureus*, *Klebsiella aerogenes*

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes at 1 oz. per gal. of 400 ppm hard water (1550 ppm active) and 5% soil on hard, non-porous surfaces: *Trichophyton interdigitale* (ATCC 9533) (a cause of Ringworm)

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.

ANIMAL PREMISES

Prior to use of this product, remove all animals, poultry and feeds from premises, animal transportation vehicles, and enclosures, coops, crates. 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.

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE*: Prepare a use solution of 1 oz. of this product per gal. of water (or equivalent use dilution). Apply use solution 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 visibly wet for 10 minutes. Ventilate buildings, coops, and other closed spaces. Do not house animals, poultry, livestock or employ equipment until treatment has set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains, waterers, and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

HATCHERIES: Use to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks, and other hard, non-porous surfaces. Use 1 oz. of this product per gal. of water (or equivalent use dilution). Leave all treated surfaces visibly wet for 10 minutes or more. Allow to air dry.

VEHICLES: To clean hard, non-porous surfaces on vehicles including mats, crates, cabs, and wheels, use 1 oz. of this product per gal. of water (or equivalent use dilution). Apply use solution to hard, non-porous surfaces on vehicles. Leave treated surfaces visibly wet for 10 minutes. Allow to air dry.

TO KILL FUNGI: Pre-clean visibly soiled surfaces. Prepare use solution by adding 1 oz. of this product per gal. of water. Apply use solution to hard, non-porous surfaces. Allow surface to remain visibly wet for 10 minutes. Wipe surfaces.

NON-FOOD CONTACT SURFACE SANITIZING DIRECTIONS

BOOT BATH SANITIZER DIRECTIONS: To reduce cross-contamination on treated surfaces in animal areas, entryways, and the packaging and storage areas of food plants, shoe baths containing 1 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 or brush waterproof shoes and place in use solution of 2 oz. of this product per 4 gal. of water (or equivalent use dilution) or allow to remain visibly wet for 3 minutes prior to entering area. Prepare a fresh solution daily or when visibly dirty.

FOGGING IN POULTRY HOUSES

ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING.
CLEANING OF 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 surfaces with soap or detergent and rinse with water. Close off room so fog is confined to room to be treated. Mix 28 oz. of this product per gal. of water (or equivalent use dilution). Do not breathe spray mist. Wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter when mixing the use solution and pouring it into the fogging apparatus. Insert the nozzle of the fogger through a suitable opening into the room. With the fogger set on maximum output, fog for 1 minute for each 4000 cu. ft. of space in the room. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is completed ventilate buildings and other closed spaces. Do not house livestock, animals, or employ equipment until treatment has dried. Thoroughly clean all fogged surfaces with soap or detergent and rinse with water.

Note: The fog generated is irritating to the eyes, skin, and mucous membranes. Under no circumstances must a room or building be entered by anyone within 2 hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter, goggles, gloves, long sleeves, and long pants.

CLEANING OF INCUBATORS AND HATCHERS USING FOGGING DEVICES: Only for cleaning of setters and hatchers after poultry/chicks/eggs have been removed. Not for treatment of hatchers which contain chicks/eggs. Mix 7.2 oz. of this product per gal. of water (or equivalent use dilution). Do not breathe spray mist. Wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter when mixing the use solution and pouring it into the fogging apparatus. Fog 3 - 8 oz. of this solution into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatchery treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog. It is acceptable to fog setters and hatchers with a 0.55 oz. of this product per gal. of water solution (or equivalent use dilution) on an hourly or every other hour basis. If this is done, fog for 30 - 90 seconds once per hour or once every 2 hours. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is complete, ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has dried. Thoroughly scrub all fogged feed racks, mangers, troughs, automatic feeders, fountains, waterers, and other treated equipment with soap or detergent, and rinse with potable water before reuse.

Note: The fog generated is irritating to the eyes, skin, and mucous membranes. Under no circumstances must a room or building be entered by anyone within 2 hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter, goggles, gloves, long sleeves, and long pants.

FOOD CONTACT SURFACE SANITIZING DIRECTIONS

Prior to application, remove visible food particles and other 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.

FOOD CONTACT SURFACE SANITIZING PERFORMANCE DIRECTIONS: Immerse pre-cleaned glassware, dishes, silverware, cooking utensils, and other similarly sized food processing equipment in a solution of 0.5 - 1 oz. of this product per 4 gal. of water (or equivalent use dilution) for at least 1 minute. Allow sanitized surfaces to adequately drain and then air dry before contact with food. Do not rinse. For articles too large for immersing, apply a use solution of 0.5 - 1 oz. of this product per 4 gal. of water (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 visibly wet for at least 1 minute. Allow sanitized surfaces to adequately drain and then air dry before contact with food so that little or no residue remains. Do not rinse. Prepare a fresh solution daily or when visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

U.S. PUBLIC HEALTH SERVICE FOOD SERVICE RECOMMENDATIONS FOR CLEANING AND SANITIZING: Thoroughly wash equipment and utensils in a hot detergent solution. Rinse utensils and equipment thoroughly with potable water. Sanitize equipment and utensils by immersion in 0.5 - 1 oz. of this product per 4 gal. of water (or equivalent use dilution) for at least 1 minute at a temperature of at least 75°F. For equipment and utensils too large to sanitize by immersion, apply use solution of 0.5 - 1 oz. of this product per 4 gal. of water (or equivalent use dilution) by rinsing, spraying, or swabbing until visibly wetted for 1 minute. Allow sanitized surfaces to adequately drain before contact with food. Do not rinse. Prepare a fresh solution daily or when visibly dirty.
SANITIZING EGG SHELLS INTENDED FOR FOOD DIRECTIONS: To sanitize previously cleaned food-grade eggs in shell egg or egg product processing plants, spray with a solution of 1 oz. of this product per 4 gal. of water. The solution must be warmer than the eggs, but not exceed 130°F. Wet eggs visibly for 1 minute and allow solution to drain. Eggs sanitized with this product must be subjected to a potable water rinse only if they are to be broken immediately for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. The solution must not be re-used for sanitizing eggs. **Note:** Only clean, whole eggs can be sanitized. Dirty, cracked, or punctured eggs cannot be sanitized.

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: 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.

WARRANTY STATEMENT

To the extent permitted by applicable law, Preserve International® and Neogen® Corporation make no warranty concerning uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label. To the extent permitted by applicable law, Preserve International® and Neogen® Corporation shall not be liable for (1) any consequential, incidental or special damages related in any way to this product or its uses, or (2) any damages related in any way to resistance to pesticides.



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