

MG 4-Quat

Disinfectant - Sanitizer - Mildewstat - Virucide*
With Organic Soil Tolerance For Industrial,
Dairy, Equine, Poultry/Turkey Farms, Food
Handling and Process Areas, Federally
Inspected Meat and Poultry Plants and
Sanitizing Ice Machines.

ACTIVE INGREDIENTS:

Alkyl (50% C14, 40% C12, 10% C16)
Dimethyl Benzyl Ammonium Chloride 4.0%
Octyl Decyl Dimethyl Ammonium Chloride 3.0%
Didecyl Dimethyl Ammonium Chloride 1.5%
Dioctyl Dimethyl Ammonium Chloride 1.5%
OTHER INGREDIENTS:..... 90.0%
TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

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 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 HAZARDS

This product 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.

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:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.
IF SWALLOWED:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• Probable mucosal damage may contraindicate the use of gastric lavage.

NET CONTENTS: □1 Gal. □ 5 Gal. □15 Gal.

□30 Gal. □ 55 Gal. □ 275 Gal. □ 330 Gal.

DISINFECTION PERFORMANCE IN NON-MEDICAL FACILITIES: This product kills the following bacteria in 10 minutes at 3 oz. per 5 gal. of water (450 ppm active) and 5% soil on hard, non-porous surfaces against: *Salmonella enterica*, *Staphylococcus aureus*
ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 3 oz. per 5 gal. of water (450 ppm active) and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus (H5N1), Avian influenza/Turkey/Wisconsin Virus, Canine Distemper Virus, Canine Coronavirus, Equine Influenza A Virus (H3N8), Equine Herpes Virus Type 1, Infectious Bovine Rhinotracheitis Virus (IBR), Infectious Laryngotracheitis Virus, Newcastle Disease Virus, Porcine Respiratory & Reproductive Virus, Porcine Rotavirus, Pseudorabies Virus, Transmissible Gastroenteritis Virus (TGE)

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective one-step non-food contact sanitizer in 3 minutes at 1 oz. per 5 gal. of water (150 ppm active) and 5% soil on hard, non-porous surfaces against: *Staphylococcus aureus*, *Klebsiella pneumoniae*

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

This product is an effective food contact sanitizer in 1 minute at 0.75 oz. per 4 gal. of 300 ppm hard water (150 ppm active) on hard, non-porous surfaces: *Escherichia coli*, *Staphylococcus aureus*
This product is an effective food contact sanitizer in 1 minute at 2 oz. per 4 gal. of 1000 ppm hard water (400 ppm active) on hard, non-porous surfaces: *Escherichia coli*, *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.

FOOD CONTACT 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 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.

FOOD CONTACT SANITIZING DILUTION TABLE

Active solution	1 gallon	4 gallons	10 gallons	20 gallons
150 ppm	0.19 ounce	0.75 ounce	1.92 ounces	3.84 ounces
200 ppm	0.25 ounce	1.0 ounces	2.5 ounces	5.0 ounces
300 ppm	0.375 ounce	1.5 ounces	3.75 ounces	7.5 ounces
400 ppm	0.50 ounce	2.0 ounces	5.0 ounces	10.0 ounces

FOOD CONTACT SANITIZING PERFORMANCE FOR FOOD PROCESSING EQUIPMENT 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 similar size food processing equipment in a solution of 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) 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. For articles too large for immersing, apply a use solution of 0.75-2 oz. of this product per 4 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, coarse pump or 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 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.

SANITIZING OF REFRIGERATED FOOD PROCESSING EQUIPMENT AND OTHER HARD, NON-POROUS SURFACES IN FOOD CONTACT LOCATIONS: For sanitizing food processing equipment, dairy equipment, refrigerated storage, display equipment and other hard, non-porous food contact surfaces, surfaces must be thoroughly pre-flushed or pre-scraped and, when necessary, presoaked to remove gross food particles. 1. Turn off refrigeration. (**Note: Use this direction only if applicable.**) 2. Unit must be washed with a compatible detergent and rinsed with potable water before sanitizing. (**Note: Use this direction only if applicable.**) 3. Apply a solution of 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) of this product by coarse pump or trigger spray device, direct pouring or by recirculating through the system. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Surfaces must remain wet for at least 1 minute. 4. Allow sanitized surfaces to adequately drain before contact with food/liquid. Do not rinse. Return machine to service. 5. Prepare a fresh solution daily or when visibly dirty.

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UN 1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS), 8, PG III

SANITIZATION OF INTERIOR HARD, NON-POROUS SURFACES OF ICE MACHINES: Sanitization must occur after initial installation, after the machine is serviced and periodically during its use. 1. Shut off incoming water line to machine and turn off refrigeration. 2. Wash with a compatible detergent and rinse with potable water before sanitizing. (**Note: Use this direction only if applicable.**) 3. Apply a solution of 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) of this product by mechanical spray, direct pouring, or by recirculating through the system. 4. Allow surfaces to remain wet or solution to remain in equipment for at least 1 minute. Drain thoroughly before reuse and allow sanitized surfaces to adequately drain and then air dry before contact with liquid. 5. Return machine to normal operation.

NON-FOOD CONTACT SANITIZING DIRECTIONS

SHOE BATH SANITIZER DIRECTIONS: To prevent cross contamination from area to area, in animal areas, and the packaging and storage areas of food plants, shoe baths containing one 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 waterproof shoes and place in a 1 oz. of this product per 5 gal. of water (or equivalent use dilution) (150 ppm active) use solution or allow to remain wet for 3 minutes prior to entering area. Prepare a fresh solution daily or when visibly dirty.

SHOE FOAM DIRECTIONS: To prevent cross contamination from area to area, in animal areas, entryways and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 1 to 1.5 oz. of this product per gal. of water (or equivalent use dilution) (800-1200 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacturer of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area or allow to remain wet for 3 minutes prior to entering area. Foam area must be washed and replaced daily or when it appears visibly soiled or dirty.

MOLD/MILDEW (MILDEWSTATIC ACTIVITY): To Control Mold and Mildew, the growth of mold and mildew (*Aspergillus niger*) and the odors caused by them when applied to hard, non-porous surfaces. Prepare use solution by adding 3 oz. of this product per 5 gal. of water (0.6 oz. of this product per gal. of water) (or equivalent use dilution). Apply use solution to hard, non-porous surfaces for 10 minutes which will effectively inhibit the growth of mold and mildew and their odors. Repeat treatment every seven days, or more often if new growth appears.

ANIMAL PREMISES

Prior to use of this product, remove all animals, poultry 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 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 oz. of this product per 5 gal. of water (or equivalent use dilution) to disinfect hard, non-porous surfaces with a sponge, brush, cloth, by immersion, mechanical spray device, hand pump, coarse pump or trigger spray device. 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. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals, poultry, livestock 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.

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 ¾ 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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