

GRENADIER™ PLUS

CLEANER - DISINFECTANT - DEODORIZER - FUNGICIDE

ACTIVE INGREDIENTS:

Alkyl (60% C14, 30% C16, 5% C12, 5% C18)
 Dimethyl Benzyl Ammonium Chloride 2.25%
 Alkyl (68% C12, 32% C14)
 Dimethyl Ethylbenzyl Ammonium Chloride..... 2.25%

OTHER INGREDIENTS: 95.50%

TOTAL: 100.00%

EPA Reg. No. 10324-93-66114

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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:	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.

DISINFECTION PERFORMANCE IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) AND NON-MEDICAL FACILITIES (Schools, Restaurants, Food Services):

This product kills the following bacteria in 10 minutes at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: *Acinetobacter baumannii*, *Bordetella bronchiseptica*, *Campylobacter jejuni*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterococcus faecalis*, *Escherichia coli*, *Escherichia coli* O111:H8, *Escherichia coli* O157:H7, *Enterococcus faecium* Vancomycin Resistant (VRE), *Klebsiella pneumoniae*, *Klebsiella pneumoniae* – (NDM-1 positive) (New Delhi metallo-beta-lactamase), *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Salmonella enterica*, *Salmonella schottmuelleri*, *Salmonella typhi*, *Shigella dysenteriae*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant (MRSA), *Staphylococcus aureus* (CA MRSA) Community Associated Methicillin Resistant, *Staphylococcus aureus* (VISA) Vancomycin Intermediate Resistant, *Streptococcus salivarius*

VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus (H5N1), Avian Influenza A H9N2/Turkey/Wisconsin Virus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 Virus, HIV-1[†] (AIDS Virus), Human Coronavirus, Influenza A (H1N1) Virus, Influenza A₂/Japan Virus, Norovirus (Norwalk-like Virus) (Feline Calicivirus), Vaccinia Virus

[†] Indicates a 2 minute contact time is required for this claim.

ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gallon of water and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus (H5N1), Avian Influenza A H9N2/Turkey/Wisconsin Virus, Avian Reovirus, Bovine Viral Diarrhea Virus, Canine Coronavirus, Canine Distemper Virus, Equine Arteritis Virus, Infectious Avian Laryngotracheitis Virus, Infectious Bovine Rhinotracheitis Virus (IBR), Infectious Bronchitis Virus, Newcastle Disease Virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies Virus, Transmissible Gastroenteritis Virus (TGE)

This product kills the following viruses in 10 minutes at 8 oz. per gallon of water and 5% soil on hard, non-porous surfaces: Canine Parvovirus*** (CPV), Minute Virus of Mice*** (Parvovirus), Porcine Parvovirus***

*** Indicates that a dilution of 8 oz. per gallon of water is required for this claim.

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective one-step sanitizer in 1 minute at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: *Staphylococcus aureus*, *Klebsiella pneumoniae*

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes at 2 oz. per gallon of water (700 ppm active) and on hard, non-porous surfaces: *Trichophyton mentagrophytes* (Athlete's foot fungus) (a cause of Ringworm)

MILDEWSTATIC PERFORMANCE: This product controls the following mold in 10 minutes at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: *Aspergillus niger*

This product is a phosphate-free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross-contamination on treated surfaces.

This product is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

This product is for use as a disinfectant on hard, non-porous surfaces at 700 ppm active.

This product is a one-step disinfectant that is effective against a broad spectrum of bacteria, is virucidal* including HIV-1, HCV & HBV and inhibits the growth of mold and mildew and their odors when used as directed.

This product can be applied through foaming apparatus, low-pressure sprayers and fogging systems. Follow manufacturers' instructions when using this equipment.

This product cleans, shines, deodorizes and disinfects all hard, non-porous surfaces listed on the label.

This product will effectively inhibit the growth of mold and mildew *Aspergillus niger* and the odors caused by them when applied to hard, non-porous surfaces leaving bathrooms and kitchens clean and fresh smelling.

This product eliminates odors caused by bacteria, mildew, and non-fresh foods.

This product kills odor causing bacteria in the kitchen and bathroom.

This product is for use on hard, non-porous surfaces in:

- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms, isolation wards, hospices, medical research facilities, washing areas, ICU areas, home healthcare institutions, sick rooms.
- Life care retirement communities, elder care centers, and elder care facilities.

NET CONTENTS: _____

- Patient care rooms & facilities, recovery rooms, Emergency Rooms, x-ray cat labs, newborn nurseries, neonatal units, orthopedics, respiratory therapy, surgical centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities.
- Day care centers and nurseries, kindergartens, and preschools.
- Restaurants, bars, cafeterias, institutional kitchens, fast food operations, food storage areas, catering, bakeries.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
- Crime scenes, funeral homes, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
- Police stations, courthouses, correctional facilities, municipal government buildings, jails, prisons, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, businesses and office buildings, hotels and motels, transportation terminals, workstations, and break rooms.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, bathrooms, shower and bath areas.
- Institutions, schools, colleges, commercial and industrial sites, churches, classrooms, community colleges, universities, athletic facilities, locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, field houses.
- Food processing plants, USDA inspected food-processing facilities, dairy farms, meat/poultry processing plants, canneries.
- Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, dog/cat/ animal kennels, animal breeding facilities, breeding establishments, grooming establishments, pet animal quarters, animal housing facilities, zoos, tack shops, pet shops, operating rooms, washing areas, waiting rooms, examination rooms, and other animal care facilities.
- Cruise lines, cruise ships, airline terminals, airports, shipping terminals, public transportation, transportation terminals.

This product can be used on washable hard, non-porous surfaces such as:

- Non-food contact surfaces of countertops, stovetops, sinks bathroom/kitchen, tub surfaces, appliances, refrigerators.
- Baby cribs, empty diaper pails.
- Shower doors and curtains, glazed tiles, chrome plated intakes, toilet seats, portable and chemical toilets and latrine buckets, restroom fixtures, bathroom fixtures.
- Glazed porcelain
- Whirlpools

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.

DILUTION TABLE		
Use	Dilution	Contact Time
For Hospital or Medical Environment claims	2 oz./gal. water	10 minutes
For General or Broad Spectrum claims	2 oz./gal. water	10 minutes
For Public Health Virucidal* claims	2 oz./gal. water	10 minutes
For Animal Virucidal* claims	2 oz./gal. water	10 minutes
For Animal Virucidal*** claims	8 oz./gal. water	10 minutes
For Fungicidal claims	2 oz./gal. water	10 minutes
For Mold and Mildew claims	2 oz./gal. water	10 minutes

HOSPITAL/HEALTH CARE/MEDICAL/NON-MEDICAL

FOR USE AS A ONE-STEP, GENERAL, HOSPITAL, MEDICAL DISINFECTANT, FUNGICIDE, VIRUCIDE*, CLEANER:

1. Pre-clean heavily soiled areas.
2. Apply use solution of 2 oz. of this product per 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, coarse pump or 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.
4. Wipe dry with a clean cloth or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.
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 I (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 worn 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: Allow hard, non-porous surfaces to remain wet for 2 minutes for HIV and for 10 minutes to kill all other organisms listed on the label.

ULTRASONIC BATH DISINFECTANT DIRECTIONS: Pre-clean heavily soiled areas. Use this product to disinfect hard, non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of 2 oz. of this product per gal. of water (or equivalent use dilution) (700 ppm active) directly into bath chamber. Place objects into unit and operate according to manufacturers' use directions for a minimum of 10 minutes. Remove objects and rinse with sterile water. Allow to air dry. Prepare a fresh solution daily or when visibly dirty.

NON-FOOD CONTACT SANITIZING DIRECTIONS

NON-FOOD CONTACT SANITIZING: Pre-clean heavily soiled areas. Add 2 oz. of this product per gal. of water (700 ppm active) (or equivalent use dilution). Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, 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. Treated surfaces must remain wet for 1 minute. Prepare a fresh solution daily or when visibly dirty.

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 2 oz. of this product per gal. of water (or equivalent use dilution) (700 ppm active) use solution for 1 minute prior to entering area. Prepare a fresh solution daily or when visibly dirty.

TO CONTROL MOLD/MILDEW: To Control Mold and Mildew (*Aspergillus niger*) and the odors caused by them when applied to hard, non-porous surfaces. Pre-clean heavily soiled areas. Prepare use solution by adding 2 oz. of this product per gal. of water (or equivalent 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 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*: Prepare a use solution of 2 oz. of this product per gal. of water for effectiveness against designated animal viruses on the label.

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE*:** Prepare a use solution of 8 oz. of this product per gal. of water for effectiveness against designated animal viruses on the label.

Apply use solution 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 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.

FOGGING IN FOOD PREMISES

ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING.

DIRECTIONS FOR FOGGING IN DAIRIES, BEVERAGE AND FOOD PROCESSING PLANTS:

Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After disinfecting, fog desired areas using 1 quart per 1,000 cubic feet of room area with a solution containing 3.5 oz. of product to gal. of water (1,230 ppm active) (or equivalent use dilution). Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. 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. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer prior to use. All food contact surfaces must be thoroughly rinsed with potable water prior to sanitizing.

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 two 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 self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves, gloves and long pants.

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply use solution of 2 oz. of this product per gal. of water (700 ppm active) (or equivalent use dilution) to floors, walls and ceilings making sure not to over spray. To disinfect, all hard, non-porous surfaces must remain wet for 10 minutes.
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.
5. Prepare a fresh solution daily or when visibly dirty.

FOR USE AS A CLEANER AND/OR DEODORIZER: Apply use solution of 2 to 4 oz. of this product per gal. of water to hard, non-porous surfaces. Allow to air dry. For heavy-duty use, apply 4 oz. of this product per gal. of water to clean hard, non-porous surfaces.

DISINFECTION/FUNGICIDE/VIRUCIDE* OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS:

After using the whirlpool unit, drain unit. Prepare a use solution of 2 oz. of the product per gal. of water (or equivalent use dilution) and refill with use solution to just cover the intake valve. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair lift and any other related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse disinfected surfaces with fresh water. Wipe dry with a clean sponge or cloth or allow to air dry. Repeat for heavy soiled units.

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. 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.

For medical or environmental emergencies, call CHEMTREC® at 1-800-424-9300.

MADE IN THE U.S.A.

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1M606

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EPA Est. No.					
4140 -					
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Dimethyl Benzyl Ammonium Chloride	2.25%
Alkyl (68% C12, 32% C14)	
Dimethyl Ethylbenzyl Ammonium Chloride.....	2.25%
OTHER INGREDIENTS:	95.50%
TOTAL:	100.00%

EPA Reg. No. 10324-93-66114

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

See side panel for additional precautionary statements.

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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.	

DISINFECTION PERFORMANCE IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) AND NON-MEDICAL FACILITIES (Schools, Restaurants, Food Services): This product kills the following bacteria in 10 minutes at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: *Acinetobacter baumannii*, *Bordetella bronchiseptica*, *Campylobacter jejuni*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterococcus faecalis*, *Escherichia coli*, *Escherichia coli* O111:H8, *Escherichia coli* O157:H7, *Enterococcus faecium* Vancomycin Resistant (VRE), *Klebsiella pneumoniae*, *Klebsiella pneumoniae* – (NDM-1 positive) (New Delhi metallo-beta-lactamase), *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Salmonella enterica*, *Salmonella schottmuelleri*, *Salmonella typhi*, *Shigella dysenteriae*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant (MRSA), *Staphylococcus aureus* (CA MRSA) Community Associated Methicillin Resistant, *Staphylococcus aureus* (VISA) Vancomycin Intermediate Resistant, *Streptococcus salivarius*

VIROCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus (H5N1), Avian Influenza A H9N2/Turkey/Wisconsin Virus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 Virus, HIV-1* (AIDS Virus), Human Coronavirus, Influenza A (H1N1) Virus, Influenza A/Japan Virus, Norovirus (Norwalk-like Virus) (Feline Calicivirus), Vaccinia Virus
* Indicates a 2 minute contact time is required for this claim.

ANIMAL PREMISE VIROCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gallon of water and 5% soil on hard, non-porous surfaces: Avian Influenza A Virus (H5N1), Avian Influenza A H9N2/Turkey/Wisconsin Virus, Avian Reovirus, Bovine Viral Diarrhea Virus, Canine Coronavirus, Canine Distemper Virus, Equine Arteritis Virus, Infectious Avian Laryngotracheitis Virus, Infectious Bovine Rhinotracheitis Virus (IBR), Infectious Bronchitis Virus, Newcastle Disease Virus, Porcine Respiratory & Reproductive Virus (PRRSV), Porcine Rotavirus, Pseudorabies Virus, Transmissible Gastroenteritis Virus (TGE)

This product kills the following viruses in 10 minutes at 8 oz. per gallon of water and 5% soil on hard, non-porous surfaces: Canine Parvovirus*** (CPV), Minute Virus of Mice*** (Parvovirus), Porcine Parvovirus***
*** Indicates that a dilution of 8 oz. per gallon of water is required for this claim.

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective one-step sanitizer in 1 minute at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: *Staphylococcus aureus*, *Klebsiella pneumoniae*

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes at 2 oz. per gallon of water (700 ppm active) and on hard, non-porous surfaces: *Trichophyton mentagrophytes* (Athlete's foot fungus) (a cause of Ringworm)

MILDEWSTATIC PERFORMANCE: This product controls the following mold in 10 minutes at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces: *Aspergillus niger*

This product is a phosphate-free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross-contamination on treated surfaces.

This product is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

This product is for use as a disinfectant on hard, non-porous surfaces at 700 ppm active.

This product is a one-step disinfectant that is effective against a broad spectrum of bacteria, is virucidal* including HIV-1, HCV & HBV and inhibits the growth of mold and mildew and their odors when used as directed.

This product can be applied through foaming apparatus, low-pressure sprayers and fogging systems. Follow manufacturers' instructions when using this equipment.

This product cleans, shines, deodorizes and disinfects all hard, non-porous surfaces listed on the label.

This product will effectively inhibit the growth of mold and mildew *Aspergillus niger* and the odors caused by them when applied to hard, non-porous surfaces leaving bathrooms and kitchens clean and fresh smelling.

This product eliminates odors caused by bacteria, mildew, and non-fresh foods.

This product kills odor causing bacteria in the kitchen and bathroom.

This product is for use on hard, non-porous surfaces in:

- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms, isolation wards, hospices, medical research facilities, washing areas, ICU areas, home healthcare institutions, sick rooms.
- Life care retirement communities, elder care centers, and elder care facilities.

- Patient care rooms & facilities, recovery rooms, Emergency Rooms, x-ray cat labs, newborn nurseries, neonatal units, orthopedics, respiratory therapy, surgical centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities.
- Day care centers and nurseries, kindergartens, and preschools.
- Restaurants, bars, cafeterias, institutional kitchens, fast food operations, food storage areas, catering, bakeries.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
- Crime scenes, funeral homes, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
- Police stations, courthouses, correctional facilities, municipal government buildings, jails, prisons, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, businesses and office buildings, hotels and motels, transportation terminals, workstations, and break rooms.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, bathrooms, shower and bath areas.
- Institutions, schools, colleges, commercial and industrial sites, churches, classrooms, community colleges, universities, athletic facilities, locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, field houses.
- Food processing plants, USDA inspected food-processing facilities, dairy farms, meat/poultry processing plants, canneries.
- Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, dog/cat/animal kennels, animal breeding facilities, breeding establishments, grooming establishments, pet animal quarters, animal housing facilities, zoos, tack shops, pet shops, operating rooms, washing areas, waiting rooms, examination rooms, and other animal care facilities.
- Cruise lines, cruise ships, airline terminals, airports, shipping terminals, public transportation, transportation terminals.

This product can be used on washable hard, non-porous surfaces such as:

- Non-food contact surfaces of countertops, stovetops, sinks bathroom/kitchen, tub surfaces, appliances, refrigerators.
- Baby cribs, empty diaper pails.
- Shower doors and curtains, glazed tiles, chrome plated intakes, toilet seats, portable and chemical toilets and latrine buckets, restroom fixtures, bathroom fixtures.
- Glazed porcelain
- Whirlpools

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.

DILUTION TABLE		
Use	Dilution	Contact Time
For Hospital or Medical Environment claims	2 oz./gal. water	10 minutes
For General or Broad Spectrum claims	2 oz./gal. water	10 minutes
For Public Health Virucidal* claims	2 oz./gal. water	10 minutes
For Animal Virucidal* claims	2 oz./gal. water	10 minutes
For Animal Virucidal*** claims	8 oz./gal. water	10 minutes
For Fungicidal claims	2 oz./gal. water	10 minutes
For Mold and Mildew claims	2 oz./gal. water	10 minutes

HOSPITAL/HEALTH CARE/MEDICAL/NON-MEDICAL

FOR USE AS A ONE-STEP, GENERAL, HOSPITAL, MEDICAL DISINFECTANT, FUNGICIDE, VIROCIDE*, CLEANER:

- Pre-clean heavily soiled areas.
- Apply use solution of 2 oz. of this product per 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, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray.

- Treated surfaces must remain wet for 10 minutes.
- Wipe dry with a clean cloth or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.
- 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: Specific barrier protection items to be worn 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: Allow hard, non-porous surfaces to remain wet for 2 minutes for HIV and for 10 minutes to kill all other organisms listed on the label.

ULTRASONIC BATH DISINFECTANT DIRECTIONS: Pre-clean heavily soiled areas. Use this product to disinfect hard, non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of 2 oz. of this product per gal. of water (or equivalent use dilution) (700 ppm active) directly into bath chamber. Place objects into unit and operate according to manufacturers' use directions for a minimum of 10 minutes. Remove objects and rinse with sterile water. Allow to air dry. Prepare a fresh solution daily or when visibly dirty.

NON-FOOD CONTACT SANITIZING DIRECTIONS

NON-FOOD CONTACT SANITIZING: Pre-clean heavily soiled areas. Add 2 oz. of this product per gal. of water (700 ppm active) (or equivalent use dilution). Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, 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. Treated surfaces must remain wet for 1 minute. Prepare a fresh solution daily or when visibly dirty.

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 2 oz. of this product per gal. of water (or equivalent use dilution) (700 ppm active) use solution for 1 minute prior to entering area. Prepare a fresh solution daily or when visibly dirty.

TO CONTROL MOLD/MILDEW: To Control Mold and Mildew (*Aspergillus niger*) and the odors caused by them when applied to hard, non-porous surfaces. Pre-clean heavily soiled areas. Prepare use solution by adding 2 oz. of this product per gal. of water (or equivalent 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 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/VIROCIDE*: Prepare a use solution of 2 oz. of this product per gal. of water for effectiveness against designated animal viruses on the label.

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIROCIDE*:** Prepare a use solution of 8 oz. of this product per gal. of water for effectiveness against designated animal viruses on the label.

Apply use solution 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 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.

FOGGING IN FOOD PREMISES

ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING.

DIRECTIONS FOR FOGGING IN DAIRIES, BEVERAGE AND FOOD PROCESSING PLANTS: Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After disinfecting, fog desired areas using 1 quart per 1,000 cubic feet of room area with a solution containing 3.5 oz. of product to gal. of water (1,230 ppm active) (or equivalent use dilution). Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. 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. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer prior to use. All food contact surfaces must be thoroughly rinsed with potable water prior to sanitizing.

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 two 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 self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves, gloves and long pants.

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

- Pre-clean heavily soiled areas.
- Apply use solution of 2 oz. of this product per gal. of water (700 ppm active) (or equivalent use dilution) to floors, walls and ceilings making sure not to over spray. To disinfect, all hard, non-porous surfaces must remain wet for 10 minutes.
- Scrub using a deck brush or other coarse material as necessary.
- Rinse surfaces thoroughly and let air dry.
- Prepare a fresh solution daily or when visibly dirty.

FOR USE AS A CLEANER AND/OR DEODORIZER: Apply use solution of 2 to 4 oz. of this product per gal. of water to hard, non-porous surfaces. Allow to air dry. For heavy-duty use, apply 4 oz. of this product per gal. of water to clean hard, non-porous surfaces.

DISINFECTION/FUNGICIDE/VIROCIDE* OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: After using the whirlpool unit, drain unit. Prepare a use solution of 2 oz. of the product per gal. of water (or equivalent use dilution) and refill with use solution to just cover the intake valve. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair lift and any other related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse disinfected surfaces with fresh water. Wipe dry with a clean sponge or cloth or allow to air dry. Repeat for heavy soiled units.

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GA-1	IN-1	NJ-1	TX-1	TX-2	TX-4

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. 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.

For medical or environmental emergencies, call CHEMTREC® at 1-800-424-9300.

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