

TM GRENADEIER PLUS

CLEANER - DISINFECTANT - DEODORIZER - FUNGICIDE

ACTIVE INGREDIENTS:

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

NET CONTENTS:

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 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 5% soil on hard, non-porous surfaces: *Trichophyton mentagrophytes* (Athlete's foot fungus) (a cause of Ringworm)

MILDEW/STATIC PERFORMANCE: This product controls the following mold at 2 oz. per gallon of water (700 ppm active) and 5% soil on hard, non-porous surfaces for up to 7 days: *Aspergillus niger*

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 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, non-food contact 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 on non-food contact surfaces.

This product can be applied through foaming apparatus, and low-pressure sprayer 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, non-food contact 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:

1. 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.
2. Life care retirement communities, elder care centers, and elder care facilities.
3. 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.

4. Day care centers and nurseries, kindergartens, and preschools.
5. Restaurants, bars, cafeterias, institutional kitchens, fast food operations, food storage areas, catering, bakeries.
6. 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.
7. Computer manufacturing sites, toy factories.
8. Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
9. Crime scenes, funeral homes, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
10. Police stations, courthouses, correctional facilities, municipal government buildings, jails, prisons, penitentiaries, correctional institutions, bus stations, train stations.
11. Institutional facilities, laboratories, factories, businesses and office buildings, hotels and motels, workstations, and break rooms.
12. Public restrooms, public facilities, waysides, travel rest areas, shower rooms, bathrooms, shower and bath areas.
13. Institutions, schools, colleges, commercial and industrial sites, churches, classrooms, community colleges, universities, athletic facilities, locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, field houses.

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.

DIRECTIONS FOR CLEANING IN DAIRIES, BEVERAGE AND FOOD PROCESSING

PLANTS USING FOGGING DEVICES:

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 per gal. of water (1,230 ppm active) (or equivalent use dilution). Wear a minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter 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. When fogging is complete ventilate buildings and other closed spaces. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer solution prior to use. All food contact surfaces must be thoroughly rinsed with potable water prior to sanitizing.

ULTRASONIC BATH DISINFECTANT DIRECTIONS: Pre-clean visibly 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 SURFACE SANITIZING DIRECTIONS

NON-FOOD CONTACT SURFACE SANITIZING:

Pre-clean visibly soiled surfaces. Add 2 oz. of this product per gal. of water (700 ppm active) (or equivalent use dilution). Apply

2 oz. of this product to 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. For spray applications, spray 6-8 inches from surface. Do not breathe spray.

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

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

SHOE BATH SANITIZER DIRECTIONS:

To reduce cross contamination on treated surfaces 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:

Pre-clean visibly 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, non-food contact surfaces 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 hard, non-porous 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.

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 heavily soiled units.

EPA Est. No.

4140 -

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

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE*:

Prepare a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE**:

Prepare a use solution of 8 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE***:

Prepare a use solution of 1/4 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, 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.

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.

FOR USE AS A CLEANSER AND/OR DEODORIZER:

Prepare a use solution of 2 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS A CLEANSER AND/OR DEODORIZER -

Prepare a use solution of 4 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS A CLEANSER AND/OR DEODORIZER -

Prepare a use solution of 1/4 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS A CLEANSER AND/OR DEODORIZER -

Prepare a use solution of 1/4 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS A CLEANSER AND/OR DEODORIZER -

Prepare a use solution of 1/4 oz. of this product per gal. of water (or equivalent use dilution).

FOR USE AS A CLEANSER AND/OR DEODORIZER -