MULTIPURPOSE DISINFECTANT CLEANER
*Kills Pandemic 2008 H1N1 influenza A virus, formerly called swine flu

Disinfect – Cleaner – Fungicide – Deodorizer – Virucide – Mildewstat – Non-Food Contact Sanitizer
For use in Hospitals, Nursing Homes, Institutional and Industrial

ACTIVE INGREDIENTS:
AMP (Cl, 16.8%, C12Cl, 36.4%, C14Cl, 49.7%)
(formally known as or similar products to)

INACTIVE INGREDIENTS:
Water, Propylene glycol, Hydroxyethyl cellulose

KEEPS OUT OF REACH OF CHILDREN
DANGER PELIGRO

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DIRECTIONS FOR USE
In a well-ventilated area, apply product to a clean surface. Thoroughly wet the surface and allow product to sit for 10 minutes. Remove any excess by wiping down or scrubbing area. If a secondary area is applied, it is recommended to use a hose or sprayer to adequately wet the area.

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

See right panel for additional precautionary statements

FIRST AID

If the product container or label with you when calling a poison control center or doctor, or going for treatment.

In case of skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

Inhale: Hold eye open and mouth closed and gently water with for 15-30 minutes. Remove contaminated forms. If present, after the first 5 minutes, carbon dioxide may be released. Call a poison control center or doctor for treatment.

Ingested: 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.

IMHAILED: Make person fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth.

NOTE TO PHYSICIAN: Possible respiratory damage may contribute to the use of pressurized gases.

Net Contents: 1 Gallon (US) / 3.78 L
EPA Reg. No. 13524-105-89129
EPA FAX No. 13524-105-89129

H500 HEALTH / HAZARD

Inhalation: Not handled or in a well-ventilated area, the product may be harmful by irritation to the respiratory system. Ingestion: Not handled or in a well-ventilated area, the product may be harmful by irritation to the respiratory system.

EPA REGISTRATION NO. 13524-105-89129

PST-268 DISINFECTANT CLEANER – Pastel green in powdered form, ready to use in institutional and industrial applications.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.

PRESERVATIVE: Polyethylene glycol formaldehyde. Not expected to be harmful to treatment plants or sewers.

RETURN TO INCLUDED INSERT SHEET FOR ADDITIONAL DIRECTIONS FOR USE

APPROVED
By Mary Smolka at 2:13 pm, Apr 23, 2013

Distributed by: CUSTOM CHEMICAL SOLUTIONS, LLC
167 Commerce Blvd., Cincinnati, OH 45102
(800) 295-1567 945-212

10324-105-89129_Multipurpose Disinfectant Cleaner_20120802_3.pdf
MULTIPURPOSE DISINFECTION CLEANER
INSERT SHEET

ACTIVE INGREDIENTS:
- Allyl (C3H6O, C3H6O, C3H6O, C3H6O)
  5.5%
- Dimethyl ethylene diamine chloride
  4.5%

INSERT INGREDIENTS: 90.5%
TOTAL: 100%

DANGERS AND HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. KEEP OUT OF REACH OF CHILDREN. 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 before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

This product is a one-step hospital-use germicidal disinfectant cleaner and odor neutralizer designed for general cleaning, and disinfecting, deodorizing and controlling mold and mildew on hard, non-porous environmental surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, body oils, dead skin, blood and other organic matter commonly found in hospitals and in health care facilities on medical surfaces, nursing homes, schools and colleges, day care centers, medical offices, funeral homes, veterinary clinics, pet shops, equine farms, animal life science laboratories, hotels, motels, public areas and restrooms, food service establishments, restaurants and federally inspected meat and poultry establishments, food processing plants. It eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem. This product cleans, disinfects and desorberizes hard, non-porous environmental hospitals/medical surfaces in one step with no rinsing required. Its non-abrasive formula is designed for use on the following hard, non-porous environmental surfaces: vinyl, painted surfaces, plastic surfaces, glazed ceramic, glazed porcelain, chrome, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, toilet bowls, urinals, sinks found in health care facilities, patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. It can also be used to clean and disinfect hospital items: wheelchairs, patient beds rails and linings, wash basins, beds, pans, medical equipment surfaces, food establishments, restaurants, commercial kitchens & restrooms, any washable food and non-food contact surface where disinfection is required. A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes, utensils, or interior surfaces of appliances.

This product is a concentrated Hospital Use Disinfectant that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and eliminates odor causing bacteria when used as directed.

For use in:
- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms, radiology rooms, isolation wards, hospices, and medical research facilities.
- EMS & fire facilities, emergency vehicles, ambulances, ambulance equipment/surfaces, carts, gurneys, stretchers, police cars, fire trucks.
- Day care centers and nurseries, sick rooms, elderly care centers, baby cribs, kindergartens, and preschools.
- Restaurants, restaurants and bars, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Institutions, schools and colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, exercise equipment, gyms, gymnasiums, field houses.
- Health clubs, spas, tanning salons, tanning spas, tanning beds, tanning equipment, footbath surfaces, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, spas, tattoo parlors.
- Veterinary clinics, animal life science laboratories, animal research centers, animal quarantine areas, animal breeding facilities, animal grooming areas, animal holding areas, equine farms, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, tack shops, operating rooms, toilet 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 may be used on washable hard, non-porous surfaces such as:
- Countertops, stoves, bathroom sinks, kitchen sinks, tub surfaces, and exterior surfaces of Sturpee® machines, appliances, refrigerators and ice machines, microwave ovens and countertop laminates.
- Hospital beds, bed railings, beds, gurneys, infant cribs/ swaddlers/infant incubators/care equipment, traction devices, MRI, CAT, examining tables, scales, paddles, wheelchairs, hard nonporous surfaces of cervical collars and neck braces, spine backboards, stretchers, unit stools, CPR training mannequins, curing lights, light lens covers, silt lamps, operating room lights, examining tables, oxygen hoods, dental chairs/countertops, examining tables, X-ray tables, washing areas.
- Ultrasonic baths, whirlpools, whirlpool bathtubs.
- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/swaddlers/ incubators/care equipment, folding tables, hampers, laundry poles.
- Shower stalls, showers and curtains, bathtubs and glased tile, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, glazed porcelain, glazed tile and restroom fixtures, bathroom fixtures.
- Hair clippers, cutting implements, hard non-porous plastic rollers, washable nail files.
- Kennels, kennel runs, cages, kennel/cage floors, conductive flooring, examining tables, X-ray tables.
- Wrestling and gymnastic mats, athletic training tables, physical therapy tables.

This product provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.

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**ORGANISM LIST**

**DISINFECTION PERFORMANCE IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) and NON-MEDICAL FACILITIES (Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities):** At 1 ounce of this product to one gallon of water use level, this product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum with a 10-minute contact time against:

- Bordetella bronchiseptica
- Campylobacter jejuni
- Corynebacterium amoniagenes
- Enterobacter aerogenes
- Enterococcus faecalis
- Escherichia coli

- Klebsiella pneumoniae
- Listeria monocytogenes
- Pseudomonas aeruginosa
- Salmonella enterica
- Salmonella schottmuelleri
- Salmonella typhi

- Shigella dysenteriae
- Staphylococcus aureus
- Community associate Methicillin resistant
- Staphylococcus aureus (CA-MRSA)
- Staphylococcus aureus Methicillin resistant
- Staphylococcus salivarius

**VIRUCIDAL PERFORMANCE:** At 1 ounce per gallon use level, this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses on hard non-porous environmental surfaces:

- Avian Influenza A H5N1 virus
- Avian Influenza A H9N2/Turkey/Wisconsin virus
- Norovirus, Norwalk-like virus/Feline Calicivirus

- Hepatitis B Virus (HBV)
- Hepatitis C Virus (HCV)
- Herpes Simplex Type 1

- Human Coronavirus
- Influenza A2/Japan virus

At 1 ounce per one gallon in the presence of 5% blood serum for a two-minute contact time this product was found to be effective against:

- HIV-1 (AIDS Virus)

**ANIMAL PREMISE VIRUCIDAL PERFORMANCE:** At 1 ounce per gallon of water use level, this product was evaluated in the presence of 5% serum with a 10-minute contact time and found to be effective against the following viruses on hard non-porous environmental surfaces:

- Avian Influenza A H5N1 virus
- Avian influenza A H9N2/Turkey/Wisconsin virus
- Avian Reovirus
- Bovine Viral Diarrhea virus
- Canine Distemper virus
- Canine Coronavirus

- Equine Arteritis Virus
- Infectious Avian Laryngotracheitis virus
- Infectious Bovine Rhinitis virus (IBR)
- Newcastle disease virus
- Parvo Respiratory & Reproductive Virus (PFRSV)

At 1.25 ounces per gallon of water use level, this product is found to be effective against the following viruses on hard, non-porous environmental surfaces in the presence of 5% serum with a 10-minute contact time:

- Canine Adenovirus
- Canine Parainfluenza Virus
- Feline Calicivirus
- Feline Infectious Peritonitis virus

- Feline leukemia virus
- Feline Panleukopenia virus
- Feline Picornavirus
- Feline Rhinotracheitis virus

- Infectious Canine Hepatitis Virus
- Murine Parainfluenza virus type 1
- Rabies virus

At 4 ounces per gallon use level, this product was evaluated in the presence of 5% serum with a 10-minute contact time and found to be effective against the following viruses on hard, non-porous environmental surfaces:

- Canine Parvovirus (CPV)
- Minute virus of Mice (Parvovirus)
- Porcine Parvovirus

**NON-FOOD CONTACT SANITIZING PERFORMANCE:** Add 1 ounce of this product to 1 gallon of water to sanitize hard, non-porous surfaces. At 703 ppm active, this product is an effective one-step sanitizer against:

- Staphylococcus aureus
- Klebsiella pneumoniae

**ADDITIONAL DIRECTIONS FOR USE**

**FUNGICIDAL/DEODORIZATION/MOLD & MILDEW**

**MOLD AND MILDEW CONTROL:** At 1 ounce per gallon this product will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard non-porous surfaces. Saturate surfaces with use solution for a period of 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears.

**CLEANING/DEODORIZING DIRECTIONS:** Add ¼ to 2 ounces per gallon of water to clean and deodorize windows, mirrors and glass surfaces. Use a coarse spray device. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray.

**FOR DEODORIZING GARBAGE CANS, GARBAGE TRUCKS, INDUSTRIAL WASTE RECEPTACLES AND GARBAGE HANDLING EQUIPMENT:** It is especially important to pre-clean for the product to perform properly. Then, apply a wetting concentration of 3.5 ounces of this product per gallon of water (2,490 ppm quat active). Treated surfaces must remain wet for 10 minutes.

**AIR FRESHENER/AUTOMOTIVE USES Not for use in CA:** Effective on smoking and cooking odors: garlic, fish, onions, etc., automobile odors from tobacco, musty carpet smell, and beverage smells will be eliminated. A solution of 1 ounce of this product to one gallon of water will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets, bathrooms and A/C filters. Spray or apply onto seats, carpets, headliner and ashtray or into trunk and all vents to eliminate odors from tobacco, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow surfaces to air dry.

**TO CONTROL THE GROWTH OF MOLD AND MILDEW ON LARGE, INFLATABLE NON-POUROUS PLASTIC AND RUBBER STRUCTURES (animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment):** Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 1 ounce per gallon of water for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

**FOR DISINFECTION AND TO CONTROL THE GROWTH OF MOLD AND MILDEW ON NON-POUROUS ATHLETIC EQUIPMENT** (wrestling and gymnastic mats, athletic training tables, physical therapy tables, athletic helments, wrestling/boxing headgear, athletic shoe soles): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 1 ounce per gallon of water for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

**WATER AND SMOKE DAMAGE RESTORATION Not applicable in CA:** Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-
porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip and paneling. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

SEWER BACKUP & RIVER FLOODING Not applicable in CA: During mitigation procedures, dilute 1-2 ounces of this product per gallon of water allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.

SPECIAL INSTRUCTIONS FOR CLEANING CARPET AGAINST ODOR CAUSING BACTERIA Not for use in CA: This product may be used in industrial, institutional, commercial and residential areas such as homes, motels & hotel chains, nursing homes, schools and hospitals. Use for wet, cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness. For Portable Extraction Units: Mix ½ ounce of this product per gallon of water. For Truck Mounted Extraction Machines: Mix ½ ounce of this product per gallon of water and meter at 4 gallons per hour. For Rotary Floor Machines: Mix 1 ounce of this product per gallon of water and meter at the rate of 300-500 sq. ft. per gallon. Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer’s directions.

SMOKE DAMAGE RESTORATION Not applicable in CA: Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, furniture, fixtures, sub floors, trim and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

BARBER/SALON DISINFECTANT/FUNGICIDE/’VIRUCIDE FOR BARBER/SALON TOOLS DIRECTIONS: Immerse pre-cleaned barber/salon tools, such as combs, brushes, plastic rollers, razors, clipper and trimmer blades, tweezers, manicure/pedicure tools and scissors, in a 1 ounce per gallon solution of the product . Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Prepare a fresh solution at least daily or more often if solution becomes cloudy or soiled. Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

SALON/BARBER INSTRUMENTS AND TOOLS SANITIZER DIRECTIONS: Pre-clean soiled instruments and tools. Completely immerse water safe non-porous instruments and tools in a solution of 1 ounce per gallon (707 ppm active) of water for at least 60 seconds. Rinse thoroughly and dry before use. Fresh solution must be prepared at least daily or more often if solution becomes cloudy or soiled. Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

RESTROOM/BATHROOM NON-ACID TOILET BOWL AND URINAL DISINFECTION/CLEANER DIRECTIONS: Remove gross filth prior to disinfection. FROM USE SOLUTION: Pre-clean surface. Empty toilet bowl or urinal and apply 1 ounce per gallon of water use solution to exposed surfaces including the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow solution to stand for 10 minutes and flush. For sprayer applications, use a coarse spray device.

TO DISINFECT TUBS, SHOWER STALLS, SINKS, FAUCETS: Swab area and remove gross filth and heavy soil. Apply 1 ounce of this product per gallon of water onto surface to be cleaned or apply with cloth or sponge to wet all surfaces thoroughly and allow surface to remain wet for at least 10 minutes. Wipe around with damp cloth or sponge. Do not allow solution to dry on surface. Rinse thoroughly with water.

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 1 ounce per gallon of water or equivalent use dilution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for 10 minutes. Special instructions for foam guns: Pour concentrate into foam gun bottle and attach to spray nozzle and ensure gun is attached to hose. Note: See foam gun instructions for more information. Make sure setting is set for 1:128 dilution. Once in place, squeeze the handle to dispense foam solution. To disinfect, all surfaces must remain wet for 10 minutes.
3. Scrub using deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.

RV HOLDING TANKS/RECREATIONAL VEHICLES Not for use in CA: For toilet waste and holding tanks, cover bottom of holding tank with water and 2 – 8 ounces per gallon of water to deodorize. If odors return before time to empty, add 2 – 4 ounces per gallon of water to the tank. For kitchen waste, add 2 – 4 ounces to gray water tank as needed to control malodors created by dirty dishwasher.

ANIMAL PREMISES *EFFECTIVENESS AGAINST CANINE PARVOPVIRUS (CPV), MINUTE VIRUS OF MICE PARVOPVIRUS AND PORCINE PARVOPVIRUS: At 4 ounces per gallon of water, this product is found to be effective against Canine Parvovirus (CPV), Minute Virus of Mice Parvovirus and Porcine Parvovirus on hard, non-porous environmental surfaces in the presence of 5% serum with a 10 minute contact time. Prior to use, remove all animals, and their feed from premises vehicles, trucks, cars and enclosures coops, crates, kennels, stables. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stables, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, rakes and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 4 ounces of this product per gallon of water. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halter, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water: racks, troughs, automatic feeders, fountains and waterers must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

VETERINARY CLINICS/ANIMAL LIFE SCIENCE LABORATORIES/ANIMAL CARE FACILITIES/ANIMAL RESEARCH CENTERS/ANIMAL QUARANTINE AREAS/zoos/ PET SHOP/KENNELS/ANIMAL BREEDING FACILITIES/ANIMAL HUSBANDRY/BREEDING AND GROOMING ESTABLISHMENTS/STACK SHOPS: DISINFECTANT/FUNGICIDE/’VIRUCIDE FOR CLEANING AND DISINFECTING THE FOLLOWING NON-POROUS SURFACES: equipment, utensils, instruments, cages, kennels, stables, stalls and catteries. Remove all animals and feed from premises, animal transportation vehicles, crates etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of the disinfecting and virucidal solution 1 oz. per gallon of water for a period of 10 minutes. Immerse all halter, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings 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, automatic feeders, waterers and other equipment which dispenses food or water with soap or detergent, and rinse with potable water before reuse.

DISINFECTANT/FUNGICIDE/’VIRUCIDE OF POULTRY/TURKEY EQUIPMENT, SWINE EQUIPMENT, LIVESTOCK FARMs, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS DIRECTIONS: Prior to use, remove all poultry, other animals and their feed from premises, vehicles and enclosures: coops, crates, kennels stables. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stables, 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 all surfaces with soap or detergent and rinse with water. Use disinfecting or virucidal solution, 1 oz. per gallon of water. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halter, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used for removing litter and manure. For effectiveness against Porcine Parvovirus, use this product at 4 ounces per gallon of water. After application, ventilate buildings, coops and other closed spaces. Do not house poultry, or other animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water: racks, troughs, automatic feeders, fountains and waterers must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

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APPROVED
By Mary Smolka at 2:13 pm, Apr 23, 2012
**SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A VIRUS:** Remove all poultry and feeds from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with the disinfecting solution, 1 oz per gallon of water for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

**FOOD PROCESSING**

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from room or carefully protected.

**DIRECTIONS FOR FOOD STORAGE AREAS:** For use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow Disinfection directions.

**FOR USE AS A CLEANER/DISPINFEKTANT IN FOOD PROCESSING PLANTS:**
1. Before using this product in food processing areas, food products and packaging materials must be removed from the area or carefully protected. Add 1 ounce of this product to one gallon of water or equivalent use dilution. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces. Allow to remain in contact with surfaces for 10 minutes. Then rinse with water or equivalent use dilution. For spray application, use a coarse spray device. Allow solution to remain on surfaces for 10 minutes. Then rinse with water or equivalent use dilution.
2. To disinfect food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glasseware, dishes or interior surfaces of processing equipment.

**TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES:** For countertops, exterior surfaces of appliances, and tables. Before using this product, food products and packaging materials must be removed from area or carefully protected. Add 1 ounce of this product to one gallon of water or equivalent use dilution. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces. Allow to remain in contact with surfaces for 10 minutes. Then rinse with water or equivalent use dilution.

**FOR USE ON NON-FOOD CONTACT SURFACES AS A GENERAL DISINFECTANT IN THE BREWERY INDUSTRY:** Use 1 ounce of this product per gallon of water. Follow the Disinfectant directions above.

**FOR CONTROL OF DROSOPHILA SPP. AND PHORIDAE FAMILY OF FLIES ON NON-FOOD CONTACT SURFACES:** For control of small flies: Drosophila spp. and the Phoridae family. To control flies on non-food contact surfaces such as floors, walls, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas. Remove food and food packaging prior to use. Cover exposed food-handling surfaces. After removing gross filth, apply a solution of 1 ounce of this product per gallon of water or equivalent use dilution to surfaces and locations where flies may breed. Spray surfaces thoroughly or apply by pouring, mopping or spraying onto the surface. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

**FOR CONTROL OF SMALL FLIES IN DRAINS:** For control of small flies: Drosophila spp. and the Phoridae family. Spray or pour solution of 1 ounce per gallon of water or equivalent use dilution into drain during time of lowest level of drain use. Add 14 ounces of solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

**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 cleaning, fog desired areas using one quart per 1000 cubic feet of room area with a product solution containing 1/2 ounces product to 1 gallon of water or equivalent use dilution (1.230 ppm). 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 sanitzer solution of 200-400 ppm active quaternary prior to use. Allow food contact surfaces to drain thoroughly before operations are resumed. 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 and long pants. FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

**SHOE/BOOT 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 1 ounce of this product per gallon or equivalent use dilution of water solution for 60 seconds prior to entering area. Change the sanitizing solution in the bath at least daily or sooner if solution appears dirty.

**HORTICULTURAL AND ORNAMENTAL PLANT**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**COMMERCIAL FLORIST USE DIRECTIONS:** To clean, disinfect and decolorize hard non-porous surfaces in one step, prepare use solution by mixing 1 ounce per gallon of water (1:128). For heavy-duty use, mix 4 ounces per gallon of water (1:32). Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use solution to hard non-porous surfaces, thoroughly wetting surfaces as recommended and required, with a cloth, mop, brush, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface, Rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution at least daily or sooner if use solution becomes visibly dirty. This product is a general disinfectant. It will help in the control of fungal, bacterial and viral plant pathogens, bacterial and fungal leaf rots, slime forming fungi, and odor causing bacteria and algae. It is designed specifically for use where disease cross contamination may occur between plants. Pre-clean all surfaces prior to application of the disinfectorant solution. All inanimate surfaces must be thoroughly wetted and remain wet for 10 minutes for disinfection. Then wipe up excess or allow to air dry. Fresh solution must be prepared at least daily or when use solution becomes visibly dirty. To apply solution for sprayer applications, use as a coarse spray only. WORK AREAS AND BENCHES: Spray or swab working surface with a solution of 1 oz. of this product per gallon of water or equivalent use dilution for 10 minutes. Fresh solution must be prepared at least daily or when use solution becomes visibly dirty. To apply solution for sprayer applications, use as a coarse spray only. POTS, FLATS AND FLOWER BUCKETS: Brush or wash used pots and flats, then soak in a solution of 1 oz. of this product per gallon of water or equivalent use dilution for 10 minutes prior to use to help control transfer of diseases such as Botrytis, crown rot, downy mildew, Erwina, and root rot. To apply solutions for sprayer applications, use as a coarse spray only. OTHER

**SANITIZATION OF HARD, NON-POUROUS SURFACES IN WHIRLPOOL UNITS:** After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 1 ounce of this product for each gallon of water at this point. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 60 seconds. After the unit has been thoroughly sanitized, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

**FOR USE ON FINISHED FLOORS:** To limit gloss reduction, use 1 ounce of this product per 1 gallon of water. Apply with a damp mop or auto scrubber. Allow to air dry.

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**APPROVED**

By Mary Smolka at 2:13 pm, Apr 23, 2012