

TOTAL CLEAN #2340

Disinfectant, Virucide, Antibacterial Cleaner



Features:

- Kills CA-MRSA (USA 300&400), VRE, MRSA & VISA
- Kills SARS Associated Corona Virus
- Kills Human Coronavirus
- Kills HIV-1, HBV, HCV
- May be used on artificial turf, sports equipment and playground equipment
- Pleasantly fragrant
- One-step cleaner/disinfectant
- Highly concentrated
- EPA Registered
- ARB (Antibiotic Resistant Bacteria)



Description:

TOTAL CLEAN is the first formula ever to carry CA-MRSA kill claims on hard surfaces, including artificial turf. It combines the activity of quaternary ammonium compounds with powerful cleaning agents. It is a one-step cleaning and disinfecting product that saves time and money since it does not need to be rinsed off. TOTAL CLEAN provides broad-spectrum effectiveness against gram-positive and gram-negative bacteria including Community Acquired-Methicillin Resistant Staphylococcus Aureas (CA-MRSA), Vancomycin Resistant Enterococcus (VRE) strains, viruses (including HIV-1, HBV, and HCV), as well as pathogenic fungi including T.mentagrophytes (athlete's foot fungus).

TOTAL CLEAN is designed for use as an all-purpose cleaner and disinfectant as a part of regular maintenance programs. It is safe on a variety of hard surfaces found in sports venues, training camps, schools, universities, locker rooms, playgrounds, health clubs, childcare facilities, prisons/jails and veterinary clinics.

This highly concentrated cleaner provides an economical solution to a total cleaning program. When diluted according to the directions, each box of 6 – 32 ounce bottles will provide 192 gallons of disinfectant.

TOTAL CLEAN (EPA Reg # 1839-166-11861) has demonstrated effectiveness against viruses similar to 2019 novel coronavirus-Wuhan (also 2019-nCoV) on hard non-porous surfaces. Therefore, this product can be used against 2019 novel coronavirus-Wuhan (also 2019-nCoV) when used in accordance with the directions on hard, non-porous surfaces.

Refer to the CDC website (<https://www.cdc.gov/coronavirus/2019-ncov/index.html>) for additional information.

Applications:

- Wrestling/Gymnastic Mats
- Locker Rooms
- Exercise Equipment
- Helmets & Sports Gear
- Playground Equipment
- Sports Equipment
- Prison Cells, Showers & Common Areas
- Slides
- Sports Floors/Courts
- Whirlpools/Tubs
- Head Gear
- Tanning Equipment

Product Characteristics:

Appearance:	Green liquid
Odor:	Fresh
pH (concentrate):	6.0-7.0
pH (RTU):	6.0-7.0
Freezing Point:	32°F
Boiling Point/Range:	212°F
Flash Point:	>200°F (ASTM D3278)
Evaporation Rate:	Similar to water
VOC:	<1 (excluding exempt material)
Relative Density:	1.000
Viscosity:	Slightly viscous
Solubility (water):	Complete
Specific Gravity (H ₂ O=1):	1.014±0.01
Storage:	Keep out of reach of children. Store locked up in tightly closed, original container in a cool, dry area.
Transport Information:	
Proper Shipping Name:	Disinfectant, liquid, corrosive, n.o.s. (Quaternary ammonium chlorides)
UN Number:	UN1903
Transport Hazard Class:	8
Packing Group:	III

Solutions:

- Perfect for restroom care in any public area
- Works well to clean common areas in hospitals
- Cleans floors in hospitals, vet offices, nursing homes, etc.
- Perfect for cleaning sports venues

Pictograms:



Signal Word:
DANGER.

Personal Protective Equipment Required:



DOT Placard:
Not regulated.

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Directions:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is not for use on critical and semi-critical medical device surfaces.

DISINFECTION: To disinfect inanimate, hard nonporous surfaces add 1 ounce of this product per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a precleaning step is required. Surfaces which may contact food must be rinsed thoroughly with potable water after use.

BACTERICIDAL STABILITY OF USE-SOLUTION: Tests confirm that this product when diluted at 1 ounce/gallon in hard water up to 400 ppm (as CaCO₃) remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* subsp. *enterica* serovar *choleraesuis* for up to 1 month when stored in a sealed container such as a spray bottle at room temperature. If the product becomes visibly dirty or contaminated, the use-solution must be discarded and fresh use-solution prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-solution does not apply to open containers such as buckets or pails.

TO DISINFECT FOOD PROCESSING PREMISES: Before using this product, food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 1 ounce of this product per gallon of water. For heavily soiled areas, a pre cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

TO DISINFECT RESTAURANT FOOD CONTACT SURFACES: Countertops, appliances and tables: Add 1 ounce of this product per gallon of water. For heavily soiled areas, a precleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product cannot be used to clean the following food contact surfaces: Utensils, glassware and dishes.

BACTERICIDAL ACTIVITY: At the 1 ounce per gallon dilution, this product demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa*, *Salmonella enterica* subsp. *enterica* serotype *choleraesuis*, *Staphylococcus aureus*, *Bordetella bronchiseptica*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterococcus faecalis*, *Escherichia coli* (clinical isolate), *Escherichia coli* 0111:H8, *Fusobacterium necrophorum*, *Klebsiella pneumoniae* subsp. *pneumoniae*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus vulgaris*, *Proteus mirabilis* ATCC 25933, *Salmonella enterica* subsp. *enterica* serotype *typhi*, *Serratia marcescens*, *Shigella sonnei*, *Shigella flexneri* Type 2b, *Shigella dysenteriae*, *Staphylococcus epidermidis*, *Streptococcus pyogenes* (Clinical - Flesh Eating Strain BIRD M3), Vancomycin resistant *Enterococcus faecalis* (VRE), Methicillin resistant *Staphylococcus aureus* (MRSA), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA), Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA400, and Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 384 Genotype USA300, Gentamicin resistant *Acinetobacter baumannii*.

MILDEWSTAT: To control mold and mildew (*Aspergillus niger*) and the odors they cause on pre-cleaned, hard, nonporous inanimate surfaces add 1 ounce of this product per gallon of water. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

To Control Mold and Mildew on Large, Inflatable, Nonporous Plastic and Rubber Structures (animals, promotional items, moonwalk, slides, obstacle course play exercise equipment, and wrestling mats): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 4 ounces of this product per 4 gallons of water (1 ounce per gallon of water) (850 ppm active quaternary) (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

FUNGICIDAL ACTIVITY: At the 1 ounce per gallon dilution, this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) (a cause of ringworm of the foot) and *Candida albicans*. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, nonporous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard nonporous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

***VIRUCIDAL ACTIVITY:** This product when used on environmental, inanimate, hard, nonporous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B virus (HBV), Hepatitis C virus (HCV), Herpes Simplex Type 1, Herpes Simplex Type 2, Influenza A2 /Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740), SARS associated Coronavirus, Bovine Viral Diarrhea Virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, Avian Influenza A Virus and Canine Distemper Virus. Add 1 ounce of the product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid.

KILLS HIV-1, HIV-2, HBV, and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate 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 and Type 2 (HIV-1 and HIV-2) (associated with AIDS), Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

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SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, and HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks and eye coverings. **CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **CONTACT TIME:** Allow surface to remain wet for 10 minutes. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

GENERAL CLEANING: Apply this product to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low-pressure coarse sprayer. This product can be diluted at 1 ounce per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary. **DEODORIZATION:** To deodorize, apply this product as indicated under the heading DISINFECTION.

VETERINARY PRACTICE/ANIMAL CARE ANIMAL LABORATORY/ZOOS/PET SHOP/KENNELS DISINFECTION DIRECTIONS: For cleaning and disinfecting the following hard nonporous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1 ounce of this product per gallon of water for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

DISINFECTION OF HARD, NONPOROUS 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 fresh water added. Start the pump to circulate the solution. 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 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

EFFICACY DATA

Virucidal Activity:

Using a dilution ratio of 1 ounce product to 1 gallon water (400 ppm hard water)

	Contact Time
Avian Influenza A (H3N2) virus	10 minutes
Avian Influenza A (H7N9) virus	10 minutes
Bovine Viral Diarrhea Virus (BVDV)	10 minutes
Canine Distemper, strain Lederle (ATCC VR-128)	10 minutes
Feline Picornavirus, strain FRV (ATCC VR-649)	10 minutes
Hepatitis B Virus (HBV) (Duck Hepatitis B Virus – DHBV)	10 minutes
Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus – BVDV)	10 minutes
Herpes Simplex Type 1 (ATCC VR-260)	10 minutes
Herpes Simplex Type 2 (ATCC VR-260)	10 minutes
Human Coronavirus (ATCC VR-740, strain 229E)	10 minutes
Human Immunodeficiency Virus, HTLV-III _{RF} , strain of HIV-1 (associated with AIDS)	10 minutes
Human Immunodeficiency Virus type 2 (HIV-2), strain CBL-20	10 minutes
Infectious Bovine Rhinotracheitis, strain LA (ATCC VR-188)	10 minutes
Influenza A ₂ , strain Hong Kong (ATCC VR-544)	10 minutes
Pseudorabies, strain Aujeszky (ATCC VR-135)	10 minutes
Rotavirus, strain SA-11 (ATCC VR-899)	10 minutes
SARS Associated Coronavirus (ZeptoMetrix)	10 minutes
SARS-CoV-2 (N-LIST)	1 minute
Vaccinia, strain WR (ATCC VR-199)	10 minutes

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Bactericidal Activity:

Disinfection: Using a dilution ratio of 1 ounce product to 1 gallon water (400 ppm hard water)

	Contact Time
Staphylococcus aureus (ATCC 6538)	10 minutes
Salmonella enterica (ATCC 10708)	10 minutes
Pseudomonas aeruginosa (ATCC 15442)	10 minutes
Bordetella bronchiseptica (ATCC 31437)	10 minutes
Clostridium difficile (vegetative form) (ATCC 9689)	10 minutes
Community Associated Methicillin Resistant Staphylococcus aureus (CA-MRSA) (NRS 123, Genotype USA 400)	10 minutes
Community Associated Methicillin Resistant Staphylococcus aureus (CA-MRSA) (NRS 123, Genotype USA 300)	10 minutes
Corynebacterium ammoniagenes (ATCC 6871)	10 minutes
Enterobacter aerogenes (ATCC 13048)	10 minutes
Enterobacter cloacae (ATCC 23355)	10 minutes
Enterobacter cloacae (clinical isolate)	10 minutes
Enterococcus faecalis (ATCC 19433)	10 minutes
Enterococcus faecalis (clinical isolate)	10 minutes
Escherichia coli (ATCC 11229)	10 minutes
Escherichia coli (clinical isolate)	10 minutes
Fusobacterium necrophorum (ATCC 27852)	10 minutes
Klebsiella pneumonia subsp. Pneumonia (ATCC 13883)	10 minutes
Lactobacillus casei subsp. Rhamnosus (ATCC 7469)	10 minutes
Listeria monocytogenes (ATCC 35152)	10 minutes
Methicillin Resistant Staphylococcus aureus (MRSA) (ATCC 33592)	10 minutes
Pasteurella multocida (ATCC 7707)	10 minutes
Proteus mirabilis (ATCC 9921)	10 minutes
Proteus mirabilis (ATCC 25933)	10 minutes
Proteus vulgaris (ATCC 13315)	10 minutes
Salmonella enterica subsp. enterica serotype paratyphi (ATCC 8759)	10 minutes
Salmonella enterica subsp. enterica serotype pullorum (ATCC 9120)	10 minutes
Salmonella enterica subsp. enterica serotype typhi (ATCC 6539)	10 minutes
Salmonella enterica subsp. enterica serotype typhimurium (ATCC 14028)	10 minutes
Serratia marcescens (ATCC 8100)	10 minutes
Shigella dysenteriae (ATCC 12180)	10 minutes
Shigella flexneri Type 2b (ATCC 12022)	10 minutes
Shigella sonnei (ATCC 25931)	10 minutes
Staphylococcus aureus subsp. aureus (ATCC 33592)	10 minutes
Staphylococcus aureus (clinical isolate)	10 minutes
Staphylococcus epidermidis (ATCC 29641)	10 minutes
Staphylococcus epidermidis (clinical isolate)	10 minutes
Streptococcus pyogenes Group A (ATCC 19615)	10 minutes
Streptococcus pyogenes (clinical flesh eating strain, BIRD M3)	10 minutes
Vancomycin Resistant Enterococcus faecalis (VRE) (ATCC 51575)	10 minutes
Vancomycin Intermediate Resistant Staphylococcus aureus (VIA) (HIP-5836)	10 minutes
Xanthomonas maltophilia (clinical isolate)	10 minutes
Xanthomonas axonopodis (pathovar citri) when diluted @ 2.36 ounce per gallon (1:54 dilution)	10 minutes

Mildew Fungistatic Data:

Using a dilution ratio of 1 ounce product to 1 gallon water (400 ppm hard water)

	Contact Time
• Aspergillus niger (ATCC 6275)	10 minutes

Fungicidal Activity:

5% organic soil load, 20°C exposure temperature, 200 ppm hard water, 1 ounce product to 1 gallon water

	Contact Time
Trichophyton mentagrophytes	10 minutes
Candida albicans (ATCC 10231)	10 minutes