

A-456 II DISINFECTANT CLEANER

CLASSIFICATION

One-Step Disinfectant • Cleaner • Fungicide • Mildewstat • Virucide • Deodorizer

PRODUCT DESCRIPTION

A-456 II Disinfectant Cleaner is for use on the following washable hard, nonporous surfaces: floors, walls, countertops, stovetops, sinks, exteriors of appliances, exteriors of refrigerators, garbage cans, refrigerated storage and display equipment, tables, picnic tables, outdoor furniture, chairs, desks, telephones, doorknobs, shower stalls, tubs and glazed tiles, bathtubs, sinks, toilet bowl surfaces, bathroom fixtures, and other hard nonporous surfaces made of metal, glazed porcelain, glazed ceramic, and plastic, stainless steel, glazed enameled surfaces, and finished woodwork. *A-456 II Disinfectant Cleaner* is for use in hospitals, medical and dental offices, nursing homes, convenience stores, public rest rooms, institutions, athletic facilities, camp grounds, transportation terminals, hotels and motels, business and office buildings.

USE

DIRECTIONS FOR USE

Please refer to product container for complete directions for use.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Dilution:

Disinfection (1:256).....1/2 fl. oz. per gallon of water

[886 ppm active]

Disinfection (1:64).....2 fl. oz. per gallon of water

[3390 ppm active]

Preparation of Use-Solution:

Add 1/2 fl. oz. per gallon of water.

Use 2 fl. oz per gallon of water to kill Adenovirus Type 5 and Type 7.

DISINFECTION / VIRUCIDAL* / FUNGICIDAL / MOLD AND MILDEW CONTROL DIRECTIONS:

Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6 - 8 inches from the surface, rub with a brush, sponge or cloth. Do not breathe spray. Rinse all surfaces that come in contact with food such as countertops, exteriors of appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

For fungicidal activity, *A-456 II Disinfectant Cleaner* is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's foot fungus) in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. *A-456 II Disinfectant Cleaner* is a one-step fungicide at 1/2 fl. oz. per gallon of water in 250 ppm hard water and 5% serum.

At 1/2 fl. oz. per gallon of water in 400 ppm hard water, *A-456 II Disinfectant Cleaner* must be used on precleaned surfaces.

For mold and mildew, At 1/2 fl. oz. per gallon of water, *A-456 II Disinfectant Cleaner* will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, nonporous surfaces. Follow Disinfection instructions. Repeat treatment every seven days, or more often if new growth appears.

BACTERICIDAL STABILITY OF USE-DILUTION: Tests confirm that the use solution of this product, when stored in a sealed container such as a spray bottle, remains effective for up to one year. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails. This product is not for use on medical device surfaces.

TO CLEAN AND DEODORIZE: Mix (Use) 1/2 fl. oz. of *A-456 II Disinfectant Cleaner* per gallon of water to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

*KILLS HIV AND HBV and HCV ON PRE-CLEANED ENVIRONMENTAL 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 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 (HIV-1) (associated with AIDS) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).

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

Personal protection: Clean-up must always be done wearing protective gloves, gowns, masks and eye protection.

Cleaning procedure: Blood and other body fluids containing HIV or HBV or HCV must be thoroughly cleaned from surfaces and objects before application of *A-456-II Disinfectant Cleaner*.

Contact time: Leave surface wet for 1 minute (60 seconds) for HIV-1 and 10 minutes for HBV and HCV with 1/2 fl. oz. per gallon use-solution. Use 2 fl. oz per gallon of water to kill Adenovirus Type 5 and Type 7. Use a 10-minute contact time for disinfection against all other viruses, bacteria and fungi claimed.

Disposal of infectious material: Blood, body fluids, cleaning materials and clothing must be autoclaved and

disposed of according to local regulations for infectious waste disposal.

**VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS
DISINFECTION / VIRUCIDAL DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries. Remove all animals and feeds 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. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1/2 fl. oz. of *A-456-II Disinfectant Cleaner* per gallon of water for a period of 10 minutes. Use 2 fl. oz per gallon of water to kill Adenovirus Type 5 and type 7. Wipe or allow to air dry. Immerse all animal handling and restraining equipment as well as forks, shovels, and scrapers used to remove litter and manure. Rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid [Liquid]
Color	Purple [Dark]
Odor	Disinfectant
pH	13 [Conc. (% w/w): 100%]

Active Ingredients:

Octyl decyl dimethyl ammonium chloride	6.510%
Dioctyl dimethyl ammonium chloride	2.604%
Didecyl dimethyl ammonium chloride	3.906%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	8.680%
INERT INGREDIENTS:	78.300%
Total	100.000%



Need more stuff? Go to NationalEW.com

REGULATORY

EPA Reg. No. 6836-78-1677

MICROBIOLOGY

A-456-II Disinfectant Cleaner is a concentrated one-step Hospital use disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal* including HIV-1, the AIDS Virus, and Hepatitis B Virus and Hepatitis C Virus, fungicidal and inhibits the growth of mold and mildew, and their odors, when used as directed.

A-456-II Disinfectant Cleaner is a Hospital Use disinfectant Bactericidal according to the current AOAC Use-Dilution Test Method and Virucidal* according to the virucidal qualification modified in the presence of 400 ppm hard water plus 5% organic serum against:

Bacteria:

Pseudomonas aeruginosa [*Pseudomonas*]
Staphylococcus aureus [*Staph*]
Salmonella enterica [*Salmonella*]
Acinetobacter baumannii
Brevibacterium ammoniagenes [*Brevibacterium*]
Campylobacter jejuni
 Community Associated Methicillin-Resistant *Staphylococcus aureus* - [CA-MRSA] (NRS384) (USA300)
 Community Associated Methicillin-Resistant *Staphylococcus aureus* - [CA-MRSA] (NRS123) (USA400)
Enterobacter aerogenes
Enterococcus faecalis [*Enterococcus*]
Enterococcus faecalis- Vancomycin Resistant [VRE]
Escherichia coli [E. coli]
 ESBL *Escherichia coli* – [Extended spectrum beta-lactamase producing E. coli]
Klebsiella pneumoniae [*Klebsiella*]
Legionella pneumophila
Pseudomonas cepacia [*Pseudomonas*]
Salmonella schottmuelleri [*Salmonella*]
Salmonella typhi [*Salmonella*]
Serratia marcescens [*Serratia*]
Shigella dysenteriae [*Shigella*]
Staphylococcus aureus - Methicillin-Resistant [MRSA]
Staphylococcus aureus - Multi-Drug Resistant
Staphylococcus aureus-Vancomycin Intermediate Resistant – [VISA]
Streptococcus pyogenes [*Strep*] [a cause of scarlet fever]
Vibrio cholerae

Viruses:

*Adenovirus Type 5
 *Adenovirus Type 7
 *Hepatitis B Virus (HBV)
 *Hepatitis C Virus (HCV)
 *Herpes Simplex Virus Types 1 & 2
 *HIV-1 (AIDS Virus)
 *Human Coronavirus
 *Influenza Virus Type A/Brazil
 *Norwalk Virus (Feline Calicivirus)
 *Respiratory Syncytial Virus (RSV)
 *Rotavirus
 *SARS Associated Coronavirus (SARS)
 *Vaccinia Virus (Pox Virus)
 Kills Pandemic 2009 H1N1 influenza A virus.

Animal Viruses:

Avian Influenza Virus (H3N2)
 Avian Influenza Virus (H5N1)
 Avian Infectious Bronchitis Virus
 Canine Distemper Virus
 Feline Calicivirus
 Newcastle's Disease Virus
 Pseudorabies Virus

Fungi:

Asperigillus niger
Trichophyton mentagrophytes

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2-1.3 L/44 fl oz	6100262