

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves. Harmful if swallowed and/or if absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. For emergency medical information, call toll-free 1-800-352-5326. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling poison control center or doctor or going for treatment.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Please refer to reference sheet for Directions for use.

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Offer for recycling if available or discard in trash. Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.



A-456 II
Disinfectant Cleaner



A-456 II
Disinfectant Cleaner



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

For Hospitals, Institutional and Industrial Use

Effective in hard water up to 400 ppm hardness (calculated as CaCO₃) in the presence of 5% serum contamination.

ACTIVE INGREDIENTS:

Octyl decyl dimethyl ammonium chloride	6.510%
Diocetyl dimethyl ammonium chloride	2.604%
Didecyl dimethyl ammonium chloride	3.906%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	8.680%
INERT INGREDIENTS:	78.300%
TOTAL	100.000%

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

*See side panel for additional precautionary statements and first aid instructions.
See reference sheet for additional product information.*

Net Contents: 1.3 L/44 fl oz

EPA Reg. No. 6836-78-1677
EPA Est. 303-IN-1 (L); 1677-IL-2 (J),
1677-TX-1 (D), 1677-GA-1 (M),
1677-MN-1 (P), 1677-CA-1 (S),
1677-PR-1 (B), 1677-OH-1 (H),
1677-CA-2 (R), 1677-WV-1 (V),
74038-NY-1 (C).

Superscript refers to first letter of date code.

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370 Wabasha Street N.
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A-456 II Disinfectant Cleaner

**KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO**

See bottle label for Precautionary Statements, First Aid and Storage and Disposal information.

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 oz. per gallon of water
[886 ppm active]

Disinfection (1:64).....2 oz. per gallon of water
[3390 ppm active]

Preparation of Use-Solution:

Add 1/2 oz. per gallon of water.

Use 2 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 oz. per gallon of water in 250 ppm hard water and 5% serum.

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

For mold and mildew, At 1/2 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 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 oz. per gallon use-solution. Use 2 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 should 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 oz. of **A-456-II Disinfectant Cleaner** per gallon of water for a period of 10 minutes. Use 2 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.

FARM PREMISE USE: Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 1/2 oz. of **A-456-II Disinfectant Cleaner** per gallon of water for a period of 10 minutes. Use 2 oz per gallon of water to kill Adenovirus Type 5 and Type 7. Immerse all halters, 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. Ventilate buildings, cars, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

POULTRY AND SWINE PREMISE DISINFECTION/VIRUCIDAL DIRECTIONS: Remove all animals and feeds from premises, vehicles and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 1/2 oz. of **A-456-II Disinfectant Cleaner** per gallon of water. Use 2 oz per gallon of water to kill Adenovirus Type 5 and type 7. Saturate surfaces with the disinfecting solution for 10 minutes. Immerse all halters, 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. 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, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

Vehicles: Treat all vehicles including mats, crates, cabs and wheels with water and **A-456-II Disinfectant Cleaner**. Use 1/2 oz of **A-456-II Disinfectant Cleaner** per gallon of water to treat all vehicles. Use 2 oz per gallon of water to kill Adenovirus Type 5 and Type 7. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge and allow to air dry.

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 Type A / Brazil
*Norwalk Virus (Feline Calicivirus)
*Respiratory Syncytial Virus (RSV)
*Rotavirus
*SARS Associated Coronavirus (SARS)
*Vaccinia (Pox Virus)

Animal Viruses:

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

Fungi:

Aspergillus niger
Trichophyton mentagrophytes

For product information, call 1-800-332-6522.



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