

Zep MICRONEX®

HARD WATER FORMULATION

Disinfectant • Pseudomonacidal • Staphylocidal • Salmonellacidal • Bactericidal • Fungicidal • Mildewstatic • *Virucidal



STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO. **9625.102**

PROD. #0689
05130
V.081012

NET CONTENTS:

55 Gallons
208.12 Liters

1234567



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#068985

ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride.....	10.14%
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride.....	6.76%
INERT INGREDIENTS:	83.10%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN
DANGER • PELIGRO

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective gloves (rubber or chemical resistant) Harmful if inhaled. 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 the 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 200 ppm (calculated as CaCO₃) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test. Disinfects, cleans, and deodorizes in one labor-saving step.

For use in hospitals, nursing homes, schools, colleges, universities, commercial and industrial institutions, office buildings, veterinary clinics, animal life science laboratories, zoos, federally inspected meat and poultry plants, pet shops, airports, kennels, hotels, motels.

Disinfects, cleans, and deodorizes the following hard nonporous inanimate surfaces: floors, walls, (*non-medical*) metal surfaces, (*non-medical*) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.). For use in Federally inspected meat and poultry plants as a disinfectant agent for use in all departments. Food products and packaging materials must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

Effective against the following pathogens:

Bacteria:
Pseudomonas aeruginosa¹, Staphylococcus aureus¹, Salmonella enterica, Acinetobacter calcoaceticus, Bordetella bronchiseptica, Chlamydia psittaci, Community Associated Methicillin-Resistant Staphylococcus aureus - CA-MRSA (NRS384) (USA300), Community Associated Methicillin-Resistant Staphylococcus aureus - CA-MRSA (NRS123) (USA400), Enterobacter aerogenes, Enterobacter cloacae, Enterococcus faecalis – Vancomycin Resistant (VRE), Escherichia coli¹, Fusobacterium necrophorum, Klebsiella pneumoniae¹, Legionella pneumophila, Listeria monocytogenes, Pasteurella multocida, Proteus mirabilis, Proteus vulgaris, Salmonella enteritidis, Salmonella typhi, Salmonella typhimurium, Serratia marcescens, Shigella flexneri, Shigella sonnei, Staphylococcus aureus – Methicillin resistant (MRSA), Staphylococcus aureus – Vancomycin Intermediate Resistant (VISA), Staphylococcus epidermidis², Streptococcus faecalis¹, Streptococcus pyogenes Strp.

¹ ATCC & antibiotic-resistant strain
² antibiotic-resistant strain only

Viruses:
*Adenovirus Type 4, *Adenovirus Type 7 - at 2 oz. per gallon, *Hepatitis B Virus (HBV), *Hepatitis C Virus (HCV), *Herpes Simplex Virus Type 1, *Herpes Simplex Virus Type 2, *Human coronavirus, *HIV-1 (AIDS virus), *Influenza A Virus / Hong Kong Influenza Virus**[*]in association with the organism Influenza A/ Hong Kong), *Respiratory Syncytial Virus (RSV), *Rotavirus [WA], *Rubella (German Measles), *SARS Associated Coronavirus, *Vaccinia [Pox virus]

Animal Viruses:
*Avian Influenza (H5N1), *Avian polyomavirus, *Canine distemper, *Feline coronavirus, *Feline leukemia, *Feline panleukopenia virus, *Feline picornavirus, *Infectious bovine rhinotracheitis, *Infectious bronchitis (Avian IBV), *Newcastle Disease, *Porcine parvovirus, *Pseudorabies (PRV), *Rabies, *Transmissible gastroenteritis virus (TGE)

Fungi:
Aspergillus niger, Candida albicans, Trichophyton mentagrophytes [Athlete's Foot Fungus]

• Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu),

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

DIRECTIONS FOR USE

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

DILUTION: 1:256 (660 ppm quat)	½ ounce per gallon of water 1 ounce per 2 gallons of water 2 ounces per 4 gallons of water 2½ ounces per 5 gallons of water 4 ounces per 8 gallons of water
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This product is not for use on medical device surfaces.
DISINFECTION / CLEANING / DEODORIZING DIRECTIONS: Remove heavy soil deposits from surface. Then thoroughly wet surface with a use-solution of ½ ounce of concentrate per gallon of water or equivalent. Use 2 oz. per gallon of water to kill Adenovirus Type 7. The use-solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.

Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces: utensils, glassware and dishes.

For Human Coronavirus, treated surfaces must remain wet for 1 minute. Wipe dry with a clean cloth, sponge or mop or allow to air dry.
For Influenza Virus Type A, treated surfaces must remain wet for 2 minutes. Wipe dry with a clean cloth, sponge or mop or allow to air dry.
Prepare a fresh solution daily or more often if the solution becomes visibly dirty or soiled.

FUNGICIDAL DIRECTIONS:
For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.

MILDEWSTATIC INSTRUCTIONS: Will effectively control the growth of mold and mildew plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors, and table tops. Apply use-solution of ½ oz. per gallon of water with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS:
For cleaning and disinfecting hard nonporous surfaces: equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. 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 ½ oz. of this product per gallon of water (*or equivalent dilution*) for a period of 10 minutes. Wipe or allow to air dry. Ventilate buildings and other closed spaces. Thoroughly scrub all treated surfaces that come into contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

***KILLS HIV-1 (AIDS VIRUS) AND HBV (HEPATITIS B VIRUS) AND HCV (HEPATITIS C VIRUS) ON PRECLEANED, 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 / body fluids, and in which the surfaces / objects likely to be soiled with blood / 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 (AIDS VIRUS) OR HBV OR HCV ON SURFACES / OBJECTS SOILED WITH BLOOD / BODY FLUIDS:

Personal Protection: Disposable protective gloves, gowns, face masks, and eye coverings must be worn during all cleaning of blood / body fluids and during decontamination procedures.

Cleaning Procedures: Blood / body fluids must be thoroughly cleaned from surfaces / objects before application of disinfectant.

Contact Time: HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25°C (77°F) room temperature. HBV and HCV are inactivated after a 10 minute contact time. Use a 10-minute contact time for all other viruses, fungi, and bacteria listed.

Disposal of Infectious Materials: Blood / body fluids must be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

STORAGE AND DISPOSAL

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

Pesticide Storage:
Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:
Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.
Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

EPA REG. NO. 47371-129-1270

EPA EST. NO. 1270-GA-1(1) or 1270-TX-1(2)
Postscript is first number of batch code on container.

MADE IN THE USA • Zep Inc. • 1310 Seaboard Ind. Blvd. • Atlanta, GA 30318

