



THEOCHEM LABORATORIES, INC.

"Solutions for a Cleaner World"™

MINT APD

Disinfectant, Non-Food Contact Sanitizer, Deodorizer, Cleaner, Fungicide, Virucide*, Detergent on hard inanimate surfaces – for Hospitals, Nursing Homes, Hotels & Motels, Institutional, Industrial, School, Restaurant, Food Handling and Process Areas, Bar and Institutional Kitchen Use.

ACTIVE INGREDIENTS:

n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18)
dimethyl benzyl ammonium chloride 0.781%
n-Alkyl (68%C12, 32%C14)
dimethyl ethylbenzyl ammonium chloride 0.781%

INERT INGREDIENTS: 98.438%

TOTAL: 100.000%

EPA Reg. No. 10324-167-9367 EPA Est. No. 9367-FL-1

FIRST AID

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

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. Call a poison control center or doctor for treatment advice.

IF ON 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 advice.

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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

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

Before using this product, food products and packaging materials must be removed from the room or carefully protected. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

DISINFECTION PERFORMANCE IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) AND NON-MEDICAL FACILITIES (Schools, Restaurants, Food Services, Dairies, Farms, Beverage and Food Processing Plants and Other Non-Medical Facilities): At 4 oz of this product per gallon of water use level and with a 10-minute contact time, this product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous surfaces against the following: *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterococcus faecalis*, *Enterococcus faecalis* Vancomycin resistant – VRE, *Escherichia coli*, *Klebsiella pneumoniae*, *Legionella pneumophila*, *Proteus mirabilis*, *Pseudomonas aeruginosa*, *Salmonella enterica*, *Salmonella schottmuelleri*, *Serratia marcescens*, *Shigella dysenteriae*, *Staphylococcus aureus* Methicillin resistant, *Staphylococcus aureus* Vancomycin resistant – VISA, *Staphylococcus aureus*, *Community Associated Methicillin Resistant Staphylococcus aureus* (CA-MRSA), *Streptococcus faecalis*, *Streptococcus salivarius*.

VIRUCIDAL* PERFORMANCE: At 4 ounces of this product 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, Adenovirus Type 2, Herpes simplex Type 1, Herpes simplex Type 2, HIV-1 (AIDS Virus), Human Coronavirus, Influenza A H1N1 virus, Influenza A2/Japan.

At 6 ounces of this product per gallon of water use level and with a 10-minute contact time, this product is effective against the following viruses on hard, non-porous environmental surfaces: Avian Influenza A/Turkey/Wisconsin virus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV).

At 6 ounces of this product per gallon of water in the presence of 5% organic load, this product was proven to be effective against Duck-Hepatitis B Virus and Bovine viral diarrhea virus (BVDV)-Surrogate for human Hepatitis C virus with with a contact time of 10 minutes.

PRODUCT #100493 MINT APD

100493/0212/rev2

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NON-FOOD CONTACT SANITIZING PERFORMANCE: At 6 oz of this product per gallon of water use level, this product is an effective one-step sanitizer with a 60-second contact time against the following on hard, non-porous surfaces: *Staphylococcus aureus*, *Klebsiella pneumoniae*.

FUNGICIDAL PERFORMANCE: At 4 ounces of this product per gallon of water use level and with a 10-minute contact time, this product is effective against the following on pre-cleaned hard, non-porous surfaces such as locker rooms, dressing rooms, shower and bath areas and exercise facilities: *Trichophyton mentagrophytes* athlete's foot fungus / a cause of Ringworm.

PREPARATION OF DISINFECTION/VIRUCIDAL*/FUNGICIDAL USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Pre-clean all surfaces when used as a fungicide. Add 4 ounces of this product to 1 gallon of water to disinfect hard, non-porous surfaces. Apply use solution using a brush, cloth, mop, sponge, paper towel, auto scrubber, mechanical spray device or by immersion so as to thoroughly wet surface and rub. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Rinse all treated surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

FOR USE AS A ONE-STEP CLEANER/DISINFECTANT: 1. Pre-clean heavily soiled areas. 2. Apply use solution of 4 ounces of this product per gallon to hard, non-porous surfaces using a sponge, brush, cloth, mop, paper towel, auto scrubber, mechanical spray device or by immersion and rub. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. 3. To disinfect, all surfaces must remain wet for 10 minutes. 4. Allow to air dry. 5. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: For heavily soiled areas, a preliminary cleaning is required. Add 6 ounces of this product to 1 gallon of water. Apply sanitizer use solution to hard, non-porous non-food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device or by immersion so as to thoroughly wet surface to be sanitized. For sprayer applications, spray 6-8 inches from surface. Do not breathe spray. Rub with brush, cloth, or sponge. Treated surfaces must remain wet for 60 seconds. Allow to air dry. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

***FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A VIRUS:** For use in homes, hospitals, hotels, motels, schools and other non-animal use sites, follow the **REPARATION OF DISINFECTION/VIRUCIDAL*/FUNGICIDAL USE SOLUTION** directions.

This product is not for use on Medical device surfaces.

***KILLS HIV, HCV AND HBV 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 hard, non-porous 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, Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

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

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

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from hard, non-porous surfaces and objects before application of this product.

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

Contact Time: Leave surfaces wet with 4 ounces of this product per gallon of water solution for 2 minutes for HIV. This contact time will not control other common types of viruses and bacteria. Leave surfaces wet with 6 ounces of this product per gallon of water for ten minutes for HBV and HCV.

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES: For heavily soiled areas, a pre-cleaning step is required. For use on countertops, exterior surfaces of appliances, tables and other hard, non-porous surfaces, add 4 ounces of this product to 1 gallon of water. Apply solution with a brush, mop, cloth, sponge, auto scrubber, mechanical spray device or by immersion so as to wet all surfaces thoroughly. For sprayer applications, spray 6-8 inches from surface. Rub with brush, cloth, or sponge. Allow surface to remain wet for 10 minutes. Wipe with clean cloth, sponge or paper towel. Rinse the surface with potable water. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

PREPARATION OF CLEANING/DEODORIZING USE SOLUTION: Add 4 to 8 ounces of this product to 1 gallon of water.

FOR USE AS A GENERAL CLEANER AND/OR DEODORIZER: Apply solution to surfaces. Allow to air dry. For heavy-duty use, use 1 to 2 ounces of use solution to clean surfaces.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. KEEP OUT OF REACH OF CHILDREN. Causes substantial but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD: This product is toxic to fish.

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

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. **CONTAINER DISPOSAL/PESTICIDE STORAGE:** Non-refillable container. Store only in original container. Do not reuse empty container. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep This product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **Triple rinse as follows:** Fill container 1/4 full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap container and put in trash or offer for recycling if available.

RESIDUE REMOVAL INSTRUCTIONS: Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container 1/4 full with water and recap. Shake for 10 seconds. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.