STEARM

MARK E II™

ONE-STEP DISINFECTANT, GERMICIDAL DETERGENT AND DEODORANT

Disinfectant, Cleaner, Mildewstat, Non-Food Contact Sanitizer; Viracide®, Deodorizer for Hospitals, Institutional, Industrial, and School use. Effective as a disinfectant in hard water up to 400 ppm hardness in the presence of 5% serum contamination.

ACTIVE INGREDIENTS:
- Ortho Decyl Dimethyl Ammonium Chloride
- Decyl Dimethyl Ammonium Chloride
- Cetyl Dimethyl Ammonium Chloride
- Alcohol (C16–C18, C9–C11, C8, C6)

INERT INGREDIENTS:
- 6.51%
- 2.25%
- 2.25%
- 2.25%
- 6.69%

TOTAL: 100.00%

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves and protective clothing 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.

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

EPA Reg. No. 10234-108-3640
EPA Est. No. 2640-W0-01
KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

Sold by:
STEARM Packaging Corporation
4200 SYCAMORE AVENUE, MADISON, WI 53714

NET CONTENTS: 144 x 1 fl. oz. (29.57 ml)

ST-756

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. 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.

PESTICIDE DISPOSAL: Pesticide containers are usually hazardous. Improper disposal of excess pesticide, spent or misused in 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: Non-recyclable container. Do not reuse this container to hold materials other than pesticides or inerts. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities in accordance with local, state and federal regulations.

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

PELIGROS SI NO PUEDE USAR EN INGLES, PRESTIGE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

DANGER: IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant is formulated to disinfect surfaces subjected to the effects of chemicals and disinfectants, such as alcohol and quaternary ammonium compounds. It is effective against 99.9% of common household bacteria, viruses and other agents.

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant is for use as a disinfectant on hard, non-porous surfaces (at 850 ppm activequat). Effective against 99.9% of common household bacteria, viruses and other agents.

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant cleans, disinfects and deodorizes surfaces by killing odor causing microorganisms and mold and mildew. Its non-abrasive formula is designed for use on restroom surfaces, glazed ceramic tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms, and locker rooms.

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant when used as directed, is formulated to disinfect on washable hard, non-porous inanimate environmental surfaces as such:

- Non-food contact countertops, sinks, tub surfaces, exterior surfaces of refrigerators, ice machines, microwaves, coolers, freezers, stovetops, appliances, non-food contact equipment, shelves, racks and carts.
- Whirlpools, whirlpool bathtubs.
- Tables, chairs, desks, washable walls, cabinets, floors, doorknobs and garbage cans.
- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, porcelain tile and restroom fixtures.
- Playground equipment.
- Telephones and telephone booths.
- Hair clippers, cutting implements, plastic rails, washable nail files.

*KILLS PANDEMIC 2009 H1N1 INFLUENZA A VIRUS, FORMERLY CALLED SWINE FLU.

See inserts for additional use directions.

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

PREPARATION OF NON-FOOD CONTACT SANITIZER USE SOLUTION: With spray applicator, cover or remove all food products. Add 1 ounce per 2 gallons (500 ppm activequat) (or equivalent use dilution) of water to sanitize hard, non-porous environmental surfaces. Apply sanitizer solution evenly over surface using a cloth, mop, sponge, sprayer or by immersion. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Be sure to wet all surfaces thoroughly. Do not breathe spray. Treated surfaces must remain wet for 5 minutes. Wipe with brush, sponge, mop or cloth or allow surface to air dry. This product is not for use to disinfect, sanitize, or clean eating utensils, glassware and dishes.

NON-FOOD CONTACT SANITIZING PERFORMANCE: At 1 ounce per 2 gallons of water-use level and a 5-minute contact time, this product is an effective one-step sanitizer against the following on hard non-porous environmental surfaces:

- Klebsiella pneumoniae
- Staphylococcus aureus

For more information, please visit our website or contact customer service.
DIRECTIONS FOR USE - CONTINUED

PACKETS: For pre-measured tear open packets: Four contents of 1 oz packet into 2 gallons of water. Keep packets in box until ready to use. 

REFILL: To refill Concentrate From Large Containers Into Smaller Containers: Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant may be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled according to state and local regulations. Make sure other items, utensils or hard pumps, are properly cleaned and dried. To refill, simply pour or pump product from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

PREPARATION OF DISINFECTION/FUNGICIDAL/VIRUCIDAL USE SOLUTION: Before using Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant, food products and packaging material must be removed from the room or carefully protected. Mix a 1-ounce packet with 2 gallons of water and apply with a cloth, mop, sponge or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger spray device. Spray 6-9 inches from surface. Do not breathe spray. Wipe with sponges, mops or cloths or allow surface to air dry. Treated surfaces must remain wet for 10 minutes. After use, all surfaces in the area must be thoroughly rinsed with potable water. Prepare a fresh solution at least daily or when use solution becomes diluted or soiled. Note: With spray applications cover or remove all food products. For use as a NON-ACID BOWL CLEANER/DISINFECTANT IN TOILET BOWLS AND URINALS FROM USE-DILUTION: 1. Pre-clean heavily soiled areas. 2. Empty toilet bowls by forcing water through the trap. Apply Use Solution of 1 oz per 2 gallons of water to exposed surfaces in toilet bowls and urinals. 3. Discard all excessive area especially under the rim. 4. Allow entire surface to remain wet for 10 minutes. 5. Flush toilet and rinse snap applicator thoroughly. GENERAL DECONTAMINATION: To decontaminate, add 1 ounce of Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant to 2 gallons of water. Treated surfaces must remain wet for 10 minutes. Excess liquid must be wiped up or allowed to air dry.

MOLD AND MILDEW CONTROL DIRECTIONS: Add 1 ounce of Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant per 2 gallons of water to control the growth of mold and mildew and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Treated surfaces must remain wet for 10 minutes. Let air dry. Repeat application weekly or when growth or odor reappears.

DISINFECTING IN INSTITUTIONS: Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions AND NON-MEDICAL FACILITIES: Houses, Schools, Restaurants, Food Service, Beverage and Food Processing Plants and Other Non-Medical Facilities: At 1 liter per 2 gallons of water use level (800 ppm active quats) for equivalent use dilution. Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant was evaluated with a 10-minute contact time and found to be bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum against:


FUNGICIDAL PERFORMANCE: When used as directed at 1 fluid ounce per 2 gallons of water and a 10-minute contact time, Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant is highly effective against the following: Aspergillus Niger

*FOR DISINFECTING HARD, NON-POUROUS SURFACES AGAINST AVIAN INFLUENZA A VIRUS: For use in homes, hospitals, hotels, motels and schools, the directions for hospital disinfection must be followed using a rate of 1 oz per 2 gallons of water. For use in animal housing facilities, follow the animal premises directions. This product is not for use on medical device surfaces.

INSTITUTIONAL DISINFECTANT DIRECTIONS: Hospitals, Dental Offices, Nursing Homes and Other Health Care Institutions: Mix a 1-ounce packet with 2 gallons of water. Apply use solution to hard, inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For sprayer applications, use a coarse spray device. Spray 6-9 inches from surface. Rins with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry. Prepare a fresh solution at least daily or when use solution becomes diluted or soiled. Note: With spray applications cover or remove all food products. For heavily soiled areas, a preliminary cleaning is required.

VIRUCIDAL PERFORMANCE: At 1 ounces per 2 gallons of water use level, Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant was evaluated with a 10-minute contact time and found to be effective in the presence of 5% serum blood against the following viruses on hard, non-porous surfaces:

Asian Influenza A/H3N1 virus Herpes Simplex virus Type 2 Influenza virus/Avian Hepatitis B Virus HBV Human Coronavirus Human Hepatitis C Virus HCV HIV-1 AIDS virus Herpes Simplex virus Type 1 Influenza virus/AvPpV Virus At 1 ounce per 2 gallons of water in the presence of 400 ppm hard water and 5% serum Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant was proven to be effective against Duck-Hepatitis B Virus with a contact time of 10 minutes. At 1 ounce per 2 gallons of water in the presence of 400 ppm hard water and 5% serum, Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant was proven to be effective against Bovine viral diarrhea virus/BVDV-Serotype for human Hepatitis C virus with a contact time of 10 minutes. *KILLS HIV, HBV and HCV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS.*

Personal Protection: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, or eye coverings. Unsanitary procedures: Blood and other body fluids containing HIV-1, HBV & HCV must be thoroughly cleaned from surfaces and objects before application of Mark E Il One-step Disinfectant, Germicidal Detergent and Deodorant.

Disposal Of Infectious Materials: Blood, 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 surface wet for 10 minutes with a 1 ounce per 5 gallons use solution.
MARK E II
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DETERGENT AND DEODORANT

SEE OUTER CONTAINER FOR PRECAUTIONARY STATEMENTS AND ADDITIONAL USE DIRECTIONS

Dilution: ................. 1 ounce per 2 gallons of water (850 ppm active quat)

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant for use on hard, non-porous surfaces in:
- Food processing plants, USDA inspected food-processing facilities, dairy farms, hog farms, equine farms, poultry and turkey processing plants, meat/poultry processing plants, meat/poultry producing establishments, rendering plants, canneries, caterers, bakeries, and meat packing plants.

Escherichia coli, Salmonella enterica, and Staphylococcus aureus are common germs found where food is prepared and stored. This product kills these bacteria and helps prevent cross contamination on kitchen surfaces listed on this label. When used as a disinfectant, a potable water rinse is required after application on food contact surfaces. This product is not for use on dishes, glassware or eating utensils.

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant can be applied through low-pressure sprayers, foaming apparatus, and fogging systems. Follow manufacturers’ instructions when using this equipment.

DISINFECTING POTATO STORAGE AREA AND EQUIPMENT: Remove all potatoes prior to disinfection of potato storage area and equipment. Pre-clean hard surfaces by removing heavy soils or gross filth. Follow general disinfecting directions as outlined in that section. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

FOR CONTROL OF SMALL FLIES IN DRAINS: For control of small flies: Drosophila spp. and the Phoridae family. Spray or pour solution of 1 ounce per 2 gallons of water into drain during time of lowest level of drain use. Add 14 ounces of solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

SHOE/BOOT BATH SANITIZER DIRECTIONS: To prevent cross contamination from area to area in animals, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1-ounce packet of Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant per 2 gallons of water for solution for 5 minutes prior to entering area. Change the sanitizing solution in the bath at least daily or sooner if solution appears dirty.

RENDERING PLANT/DRESSING PLANT DISINFECTANT/VIRUCIDE DIRECTIONS: Cover or remove all food packaging material before digestion. Remove gross soils. Apply to walls and floors in poultry and animal dressing plants with a solution of 1 ounce of Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant per 2 gallons of water. Surfaces must remain wet for 10 minutes then thoroughly rinsed with potable water before operations are resumed. Disinfect all rooms, exterior walls and loading platforms of dressing plants. Thoroughly rinse all wetted and cleaned surfaces with potable water before reuse.

GLOVE SPRAY SANITIZER DIRECTIONS: Gloves must be sanitized before wearing. To prevent cross contamination from area to area in animals areas and the packaging and storage areas of food plants, spray pre-washed plastic, latex or other synthetic rubber gloves with enough freshly made sanitizing solution to cover the gloves. Do not let sanitizing solution come into contact with the exposed skin. Make up the sanitizing solution by adding 1 ounce of Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant per 2 gallons of water. Apply use solution prior to usage, using a coarse spray device. Apply using a coarse spray device completely covering glove surfaces with use solution. After applying solution, allow gloves to remain wet for 5 minutes. Let air dry thoroughly before wearing gloves. NO POTABLE WATER RINSE IS ALLOWED. Change the sanitizing solution at least daily or when solution appears dirty.

Dilution: ............... 3 ounces per 4 gallons of water (1,270 ppm active quat)

DIRECTIONS FOR FOGGING IN DAIRIES, BEVERAGE AND FOOD PROCESSING PLANTS: Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After cleaning, fog desired areas using one quart per 1000 cubic feet of room area with a product solution containing 3 ounces product to 4 gallons of water (or equivalent use dilution) (1,270 ppm). Wear a dust mask respirator when mixing the use solution and pouring it into the fogging apparatus. Vacate the area of all personnel for a minimum of 2 hours after fogging and a minimum of 4 air exchanges-ACH per hour in the facility. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer solution prior to use. All food contact surfaces must be thoroughly rinsed prior to reuse with potable water.

Note: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges-ACH per hour in the facility. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

Sold by: STEARNS PACKAGING CORPORATION
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DETERGENT AND DEODORANT

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Dilution: .................. 1 ounce per 2 gallons of water (850 ppm active quat)

Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant when used as directed is formulated to disinfect on washable hard, non-porous surfaces such as: whirlpools, and whirlpool bathtubs.

Use Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant to clean, sanitize and disinfect hard, non-porous surfaces of personal protective safety equipment, protective headgear, hard hats, headphones, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and hard nonporous surfaces of ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water, about 120°F, and allow to air dry. Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.

Use Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant to sanitize and disinfect non-porous salon/barber tools and instruments: such as combs, clippers, brushes, plastic rollers, trimmers, razors, scissors, blades, tweezers, and baths and manicure/pedicure instruments.

FOR DISINFECTING HARD, NON-POROUS BATH AND THERAPY EQUIPMENT: To remove body oils, dead tissue, soil and all other buildup or organic matter on inanimate surfaces after using the unit, drain the water and refill with fresh water to just cover the intake valve. Add 1 ounce of Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant for each 2 gallons of water in the unit at this point. Briefly start the pump to circulate the solution. Turn off pump. Wash down the unit sides, seat of the chair lift, and any/all related equipment with a clean swab, brush or sponge. Product to surface contact time must be at least 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain solution from the unit and rinse any/all cleaned surfaces with fresh water. The unit is ready for reuse.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT/RESPIRATORS: Pre-clean equipment if heavily soiled to ensure proper surface contact. Add 1 ounce of Mark E II One-Step Disinfectant, Germicidal Detergent and Deodorant to 2 gallons of water. Gently mix for uniform solution. Apply solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment, 29 CFR § 1910.134.

FOR USE TO CLEAN AND DISINFECT BARBER AND BEAUTY/MANICURE INSTRUMENTS AND TOOLS:
1. Pre-clean heavily soiled items.
2. Completely immerse pre-cleaned combs, scissors, clipper blades, razors, manicure implements and other non-porous instruments in the use solution, 1 ounce per 2 gallons so that surfaces remain wet for 10 minutes.
3. Rinse surfaces thoroughly and let air dry before reuse.
4. Change solution at least daily or sooner if visibly dirty.

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

Sold by:

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