

Microdot® Bleach Wipe

160 count 6" x 6" towels in a pop-up canister
Active ingredient: 0.525% Sodium hypochlorite

EPA Registration number: 69687-1-88459

EPA Establishment Number; 69687-IL-001

State level registration is all 50 states

Efficacy Studies for EPA Registration

The results of efficacy studies using Medtrol, Inc.'s Super-Chlor wipe product (EPA Reg. No. 69687-1) against the following list of microorganisms qualifies this product to be classified as a hard surface hospital disinfectant in compliance with the United States' Environmental Protection Agency (EPA) requirements, and therefore has also been assigned to Lists C, D, and H of the EPA's January 9, 2009 "Selected EPA-registered Disinfectants" as registered disinfectants or antimicrobial products which are effective against certain hospital associated pathogens, human blood borne/body fluid* pathogens, and antibiotic-resistant gram-positive cocci.

MICROORGANISMS TESTED

Hospital Disinfectant

Staphylococcus aureus (ATCC 6538) Contact time 5 minutes

Salmonella enterica (ATCC 10708) Contact time 5 minutes

Pseudomonas aeruginosa (ATCC 15442) Contact 5 minutes

Blood Borne/Body Fluid* Pathogens

Hepatitis B Virus – (List D as of 8/2/11) Contact time 0.5 minutes

Human immunodeficiency Virus Type 1 (HIV-1) – (Lists C and D) Contact time 5 minutes

Antibiotic-resistant gram-positive cocci

Methicillin Resistant *Staphylococcus aureus* (MRSA) (ATCC 33592) - (List H) Contact time 5 minutes

Vancomycin Resistant *Enterococcus faecalis* (VRE) (ATCC 51575) – (List H) Contact time 5 minutes

GENERAL DISCUSSION

The Centers for Disease Control (CDC) published in the MMWR Supplement August 21, 1987/Vol. 36/No. 2S that concentrations of household bleach (sodium hypochlorite) solutions ranging from approximately 500 ppm (1:100 dilution of household bleach) to 5,000 ppm (1:10 dilution of household bleach) are effective to completely inactivate HIV on surfaces free of organic material. From this came the commonly used reference to "a 1:10 dilution of household bleach or sodium hypochlorite" for disinfecting hard, non-porous environmental surfaces from blood borne/body fluid* pathogens.

The EPA now grants registration to bleach (sodium hypochlorite) solutions and bleach saturated wipe products based upon successful efficacy studies listed above using the "1:10 dilution of household bleach" concept.

The use of EPA registered products that are effective against the microorganisms listed above, as well as fresh solutions of 5.25% (50,000 ppm) sodium hypochlorite diluted with water 1:10 (0.525%/5,000 ppm) or diluted 1:100 (0.0525%/500 ppm) are in compliance with OSHA's (Occupational Safety and Health Administration) Occupational Exposure to Blood Borne Pathogens rule (29 CFR 1910.1030).

*also referred to as blood containing body fluids or other potentially infectious materials (OPIM)

Prepared by:

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