

SUPER SANI-CLOTH®

GERMICIDAL DISPOSABLE WIPE

For the disinfection of hard non-porous
environmental surfaces

Technical Data Bulletin

EPA Reg. No. 9480-4



SUPER SANI-CLOTH®

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PRODUCT DESCRIPTION

Super Sani-Cloth® is a premoistened non-woven durable wipe containing a quaternary/alcohol based solution. Recommended for use in hospitals and other critical care areas where the control of the hazards of cross-contamination between treated surfaces is required. Use on hard non-porous surfaces and equipment made of stainless steel, plastic, Formica® and glass. Some organisms are removed from the surface by thoroughly wiping the surface with the wipe. Most remaining organisms are killed within two (2) minutes by exposure to the liquid in the wipe.

CHEMICAL COMPOSITION

ACTIVE INGREDIENTS

n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chloride	0.25%
n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	0.25%
Isopropyl alcohol	55.00%
OTHER INGREDIENTS	44.50%
TOTAL	100.00%

Each cloth is saturated with 5,000 parts per million of active quaternary ammonium chlorides.

EFFICACY

Bacterial Organism Efficacy

ORGANISMS:

BURKHOLDERIA CEPACIA (ATCC 25416)
ESBL PRODUCING ESCHERICHIA COLI (E. COLI) (ATCC BAA-196)
ESCHERICHIA COLI (ATCC 11229)
KLEBSIELLA PNEUMONIAE (ATCC 4352) – 2 MINUTES at 72-73°F
METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) (ATCC 33592)
PSEUDOMONAS AERUGINOSA (ATCC 15442)
SALMONELLA ENTERICA (ATCC 10708)
STAPHYLOCOCCUS AUREUS (ATCC 6538)
VANCOMYCIN RESISTANT ENTEROCOCCUS FAECAUS (VRE) (ATCC 51299)

Test Method Used: Modified AOAC Germicidal Spray Method - 5% Horse Serum as organic soil
Exposure Time: 2 minutes at 68-77°F
Incubation: 48 hours at 95-98.6°F
Results: No growth observed

ORGANISM:

MYCOBACTERIUM BOVIS BCG TMC 1028 (ATCC 35743)

Test Method Used: Quantitative Tuberculocidal Suspension Test - 5% Horse Serum as organic soil
Exposure Time: 1 minute at 68°F
Incubation: 21 days at 98.6°F
Results: No growth observed

Yeast Organism Efficacy

ORGANISM:

CANDIDA ALBICANS (ATCC 14053)

Test Method Used: Modified AOAC Germicidal Spray Method - 5% Horse Serum as organic soil
Exposure Time: 2 minutes at 72 - 74°F
Incubation: 7 days at 95 - 98.6°F
Results: No growth observed

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Viral Organism Efficacy

ORGANISMS:	HEPATITIS B VIRUS (HBV), DHBV 16 STRAIN HEPATITIS C VIRUS (HCV), BOVINE VIRAL DIARRHEA VIRUS
Test Method Used:	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.
Organic Soil Load:	Hepatitis B Virus (HBV) 100% duck serum Hepatitis C Virus (HCV) 5% horse serum
Exposure Time:	2 minutes at room temperature (68°-77°F)
Results:	Virucidal against Hepatitis B and Hepatitis C virus according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.
ORGANISM:	RESPIRATORY SYNCYTIAL VIRUS (RSV)
Test Method Used:	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry inanimate surfaces. Organic soil load: 5% fetal bovine serum.
Exposure Time:	1 minute at room temperature (68°-77°F)
Results:	Virucidal against Respiratory Syncytial virus (RSV) according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.
ORGANISMS:	ADENOVIRUS, TYPE 5 (ATCC VR-5) HERPES SIMPLEX TYPE 2 (ATCC VR-734) HUMAN CORONAVIRUS (ATCC VR-740) INFLUENZA A2/HONG KONG (ATCC VR-544) RHINOVIRUS (ATCC VR-1110) ROTAVIRUS VACCINIA VIRUS (ATCC VR-1354)
Test Method Used:	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining the virucidal efficacy of disinfectants intended for use on dry inanimate surfaces. Organic soil load: 5% fetal bovine serum.
Exposure Time:	2 minutes at 68°F
Results:	Virucidal according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.
ORGANISM:	HIV-1 (AIDS Virus)
Test Method Used:	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining the virucidal efficacy of disinfectants intended for use on dry inanimate surfaces. Organic soil load: 5% fetal bovine serum.
Exposure Time:	1 minute at 72°F
Results:	Virucidal against HIV-1 according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

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TOXICITY

Acute Oral Toxicity Study

Conclusion: A single-dose of Super Sani-Cloth® solution was administered and observed for 14 days. Based on the results of this study, Super Sani-Cloth® has an acute oral toxicity LD₅₀ greater than 5 g/kg of body weight.

Primary Eye Irritation

Conclusion: One eye of each rabbit was instilled with the solution, while the contralateral eye remained untreated and served as a control. Ocular lesions were evaluated by method of Draize at 24 and 72 hours after instillation. Under the conditions of the test, Super Sani-Cloth® produced eye irritation clearing in 7 days or less.

Acute Dermal Toxicity

Conclusion: Following the single dermal administration, the animals were observed for 14 days. Under the conditions of this test, the acute dermal LD₅₀ was found to be greater than 2 g/kg of body weight.

Primary Dermal Irritation

Conclusion: The rabbits were exposed to the moist towelette with an occlusive wrap for a total of 72 hours. Under the conditions of this study, no dermal irritation was evident at 72 hours.



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