

EPA Reg. No. 9480-5

TECHNICAL DATA BULLETIN

SANI-CLOTH® AF

Germicidal Disposable Cloth

For the disinfection of hard, non-porous surfaces and equipment.



OUR PASSION IS PREVENTION™

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PRODUCT DESCRIPTION

Sani-Cloth® AF is a non-woven, disposable cloth, pre-saturated with a quaternary disinfectant cleaner. Recommended for use in hospitals and critical care areas where control of the hazards of cross contamination between treated surfaces is of prime importance. Use on hard, nonporous surfaces and equipment. Disinfects in just 3 minutes.

CHEMICAL COMPOSITION

Active ingredients	
n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides	0.14%
n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	0.14%
Other ingredients	99.72%
Total (Does not include the weight of the cloth).....	100.00%

EFFICACY

BACTERIAL ORGANISM EFFICACY

ORGANISMS:

Acinetobacter baumannii, Multi-Drug Resistant (ATCC 19606)
Campylobacter jejuni (ATCC 29428)
Vancomycin Resistant *Enterococcus faecalis* (VRE) (ATCC 51575)
Escherichia coli (E. coli) (ATCC 11229)
Escherichia coli (E. coli) O157:H7 (ATCC 35150)
ESBL Producing *Escherichia coli* (E. coli) (ATCC BAA-196)
Klebsiella pneumoniae (ATCC 4352)
Listeria monocytogenes (ATCC 19111)
Community Acquired Methicillin Resistant *Staphylococcus aureus* - CA-MRSA [(NARSA NRS384) (Genotype USA 300)]
Community Acquired Methicillin Resistant *Staphylococcus aureus* - (CA-MRSA) [(NARSA NRS123) (Genotype USA 400)]
Pseudomonas aeruginosa (ATCC 15442)
Salmonella enterica (*Salmonella*) (ATCC 10708)
Staphylococcus aureus (Staph) (ATCC 6538)
Methicillin Resistant *Staphylococcus aureus* - MRSA (ATCC 33592)
Streptococcus pyogenes (ATCC 19615)

Test Method Used:	Modified AOAC Germicidal Spray Method for Hard Surface Disinfection
Organic Soil Load:	5% Fetal Bovine Serum
Exposure Time:	3 minutes @ 68 - 69.8° F
Incubation:	2 – 5 days @ 95 - 98.6° F
Results:	No growth observed

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EFFICACY *(continued)*

VIRAL ORGANISM EFFICACY

ORGANISMS:	Avian Influenza A (H5N1), Strain VNH5N1-PR8/CDC-RG Herpes Simplex Virus, Type 2 (ATCC VR-734, Strain G) Human Coronavirus (ATCC VR-740, Strain 229E) Influenza A/Hong Kong Virus (ATCC VR-544) Pandemic 2009 Influenza A H1N1 Virus Respiratory Syncytial Virus (RSV) (ATCC VR-26, Strain Long)
Test Method Used:	Tests were conducted according to U.S.Environmental Protection Agency guidelines in effect at the time for determining virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.
Organic Soil Load:	5% Fetal Bovine Serum
Exposure Time:	3 minutes at 68° - 68.9°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.
ORGANISMS:	Hepatitis B Virus (HBV), Duck Hepatitis B Virus Surrogate Hepatitis C Virus (HCV), Bovine Viral Diarrhea Virus Surrogate
Test Method Used:	Tests were conducted according to U.S.Environmental Protection Agency guidelines in effect at the time 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:	3 minutes at 68°F
Results:	Virucidal against Hepatitis B and Hepatitis C viruses according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.
ORGANISMS:	HIV-1 (AIDS Virus) Strain HTLV-III _b
Test Method Used:	Tests were conducted according to U.S.Environmental Protection Agency guidelines in effect at the time for determining virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.
Organic Soil Load:	5% Fetal Bovine Serum*
Exposure Time:	30 seconds at 69.8°F
Results:	Virucidal against Human Immunodeficiency Virus Type 1 according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

YEAST ORGANISM EFFICACY

ORGANISMS:	<i>Candida albicans</i> (ATCC 10231)
Test Method Used:	Modified AOAC Germicidal Spray Method for Hard Surface Disinfection
Organic Soil Load:	5% Fetal Bovine Serum
Exposure Time:	3 minutes at 69.8°F
Incubation:	3 days @ 77 - 86° F
Results:	No growth observed.

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TOXICITY

ACUTE ORAL TOXICITY OF SANI-CLOTH® AF

Conclusion: A single dose of Sani-Cloth® AF solution was administered and observed for 14 days. No signs of toxicity were observed during the 14 day observation period of this study. Based on the results of this study, the acute oral toxicity LD50 of Sani-Cloth® AF was greater than 5gm/Kg of body weight.

ACUTE EYE IRRITATION OF SANI-CLOTH® AF

Conclusion: One eye of each subject was instilled with the undiluted solution, while the contralateral eye remained untreated and served as a control. Under the conditions of the test, Sani-Cloth® AF produced eye irritation clearing in 7 days or less.

ACUTE DERMAL TOXICITY OF SANI-CLOTH® AF

Conclusion: Following the single dermal administration, the subjects were observed for 14 days. Under the conditions of this test, the acute dermal LD50 of Sani-Cloth® AF was found to be greater than 5g/Kg of body weight.

ACUTE SKIN IRRITATION OF SANI-CLOTH® AF

Conclusion: This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of testing. The subjects were exposed to the undiluted solution for 72 hours. Under the conditions of the test, Sani-Cloth® AF produced mild or slight irritation at 72 hours.

SKIN SENSITIZATION OF SANI-CLOTH® AF

Conclusion: This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of testing to determine the potential for Sani-Cloth® AF to produce sensitization after repeated topical applications. Based on the results of this test, Sani-Cloth® AF would not be considered a dermal sensitizing agent.

ACUTE INHALATION TOXICITY OF SANI-CLOTH® AF

Conclusion: This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of testing. The subjects were exposed to the aerosolized product for a four hour period. Based on the results of this study, the acute inhalation toxicity LD50 of Sani-Cloth AF is greater than 2.13mg/L of air.



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