

SANI-CLOTH[®] PLUS

GERMICIDAL DISPOSABLE CLOTH

For the disinfection of hard,
non-porous surfaces.

Technical Data Bulletin

EPA Reg. No. 9480-6



SANI-CLOTH® PLUS

GERMICIDAL DISPOSABLE CLOTH

PRODUCT DESCRIPTION

A quaternary/alcohol solution impregnated in a wiping cloth. A non-woven disposable cloth 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.

CHEMICAL COMPOSITION

ACTIVE INGREDIENTS

n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenzyl ammonium chlorides0.125%

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chlorides0.125%

OTHER INGREDIENTS99.750%

TOTAL100.000%

Each cloth is nominally saturated with 2,500 ppm of active quaternary ammonium chlorides.

EFFICACY

Bacterial Organism Efficacy

ORGANISMS: METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) (ATCC 33592)
STAPHYLOCOCCUS AUREUS (ATCC 6538)
SALMONELLA ENTERICA (ATCC 10708)
PSEUDOMONAS AERUGINOSA (ATCC 15442)
ESCHERICHIA COLI (E.coli) O157:H7 (ATCC 35150) (PATHOGENIC STRAIN)
ESCHERICHIA COLI (E.coli) (ATCC 11229)

Test Method Used: AOAC Germicidal Spray Slide Test-5% Horse Serum as organic soil
Exposure Time: 3 minutes at 69°-76° F
Incubation: 48 hours at 98.6°F
Results: No growth observed

ORGANISM: VANCOMYCIN RESISTANT ENTEROCOCCUS (ATCC 51299)

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

ORGANISM: MYCOBACTERIUM BOVIS BCG TMC 1028 (ATCC 35743)

Test Method Used: Efficacy study of single-use impregnated cloths for hard surface disinfection (tuberculocidal modification).
5% Horse Serum as organic soil
Exposure Time: 5 minutes at 68°F
Incubation: 21 days at 98.6°F
Results: No growth observed

Viral Organism Efficacy

ORGANISM:	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 (67°-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:	INFLUENZA A2/HONG KONG HERPES SIMPLEX TYPE 2
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:	30 seconds 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:	30 seconds 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.

SANI-CLOTH® PLUS

GERMICIDAL DISPOSABLE CLOTH

TOXICITY

Acute Oral Toxicity Study of Sani-Cloth® Plus

Conclusion: A single-dose of Sani-Cloth® Plus 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® Plus is greater than 5g/kg of body weight.

Primary Eye Irritation

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® Plus produced eye irritation clearing in 7 days or less.

Acute Dermal Toxicity of Sani-Cloth® Plus

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® Plus was found to be greater than 2g/kg of body weight.

Primary Dermal Irritation of Sani-Cloth® Plus

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 moist towelette for a total of 72 hours. Under the conditions of this test, Sani-Cloth® Plus produced only very slight erythema at 72 hours.

Dermal Sensitization Test: Sani-Cloth® Plus

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® Plus to produce sensitization after repeated topical applications. Based on the results of this test, Sani-Cloth® Plus would not be considered a dermal sensitizing agent.



Professional Disposables International, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962-1376
ISO 9001:2000 Certified
Phone: (845) 365-1700
Fax: (845) 398-5347
1-800-999-6423 in USA
www.pdipdi.com