

SANI-CLOTH® PLUS

GERMICIDAL DISPOSABLE CLOTH

For the disinfection of hard non-porous
environmental surfaces.

Technical Data Bulletin

EPA Reg. No. 9480-6



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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% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides | .0.125% |
| n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides | .0.125% |
| Isopropyl alcohol | .14.850% |

OTHER INGREDIENTS .84.900%

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

EFFICACY

Bacterial Organism Efficacy

ORGANISMS:

METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS ATCC 3389
VANCOMYCIN RESISTANT ENTEROCOCCUS ATCC 51299
STAPHYLOCOCCUS AUREUS ATCC 6538
SALMONELLA CHOLERAESUIS ATCC 10708
PSEUDOMONAS AERUGINOSA ATCC 15442
ESCHERICHIA COLI O157:H7 ATCC 35150 (PATHOGENIC STRAIN)

Test Method Used: AOAC Use Dilution 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 (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: 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.

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TOXICITY

Acute Oral Toxicity Study of Sani-Cloth® Plus in Sprague-Dawley Rats

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 in New Zealand White Rabbits

Conclusion: One eye of each rabbit 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 on New Zealand Albino Rabbits

Conclusion: Following the single dermal administration, the animals 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 on New Zealand Albino Rabbits

Conclusion: The rabbits 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: A dermal sensitization test was performed with albino guinea pigs to determine the potential for Sani-Cloth® Plus to produce sensitization after repeated topical applications. Based on the results of this test, Sani-Cloth® would not be considered a dermal sensitizing agent.



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