

TECHNICAL DATA BULLETIN

SaniCart Wipe[®] Disinfects Shopping Cart Handles and Child Seats

PRODUCT DESCRIPTION

A quaternary/alcohol solution saturated in a nonwoven disposable wiping cloth. For use to clean and disinfect shopping cart handles and shopping cart child seats. Kills bacteria and viruses.*

*Also effective against flu viruses, Influenza A2/AK (Hong Kong Flu).

PRODUCT DATA

A. 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%
Total	.100.000%

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

B. Primary Dermal Irritation

PRIMARY DERMAL IRRITATION OF SANICART WIPE[®] 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, SaniCart Wipe[®] produced only very slight erythema at 72 hours.

C. Acute Dermal Toxicity

ACUTE DERMAL TOXICITY OF SANICART WIPE[®] 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 SaniCart Wipe[®] was found to be greater than 2g/kg of body weight.

D. Dermal Sensitization

DERMAL SENSITIZATION TEST: SANICART WIPE[®]

Conclusion: A dermal sensitization test was performed with albino guinea pigs to determine the potential for SaniCart Wipe[®] to produce sensitization after repeated topical applications. Based on the results of this test, SaniCart Wipe[®] would not be considered a dermal sensitizing agent.

E. Eye Irritation

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, SaniCart Wipe[®] produced eye irritation clearing in 7 days or less.

F. Acute Oral Toxicity

ACUTE ORAL TOXICITY STUDY OF SANICART WIPE[®] IN SPRAGUE-DAWLEY RATS

Conclusion: A single-dose of SaniCart Wipe[®] 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 SaniCart Wipe[®] is greater than 5g/kg of body weight.

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) 0157: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

VIRAL ORGANISM EFFICACY

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.
Exposure Time: 30 seconds @ 20° C
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.

INFORMATIONAL DATA REPORT

SaniCart Wipe® has been proven effective against the following organisms:

PATHOGENS	TYPE	CHARACTERISTICS
Staphylococcus aureus	Gram positive	Highly infectious, skin lesions, pimples, boils, blood infections or pneumonia, hospital associated infections
Salmonella choleraesuis	Gram negative	Food contaminant, abdominal cramps, diarrhea, fever
Pseudomonas aeruginosa	Gram negative	Associated with nosocomial infections of skin, respiratory G-I, cardiovascular, nosocomial pneumonia and uro-genital tract
Escherichia coli	Gram negative	Infant diarrhea, bloody diarrhea, abdominal cramps, occasional kidney failure
Influenza A2/Hong Kong	Virus	Respiratory tract infection causing fever, headache, extreme fatigue, dry cough, sore throat, runny or stuffy nose, and muscle aches

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Orangeburg, NY

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