



TECHNICAL DATA BULLETIN

NO RINSE SANI-SURFACE™ SHOPPING CART SANITIZING WIPE

PRODUCT DESCRIPTION

A fast and effective delivery method to apply a sanitizing solution to hard, non-porous, food contact surfaces. No Rinse Sani-Surface™ Shopping Cart Sanitizing Wipes are ready to use, disposable non-woven cloths saturated with a 175 ppm quaternary ammonium chloride solution. It is used to sanitize hard non-porous food contact surfaces without requiring a rinse.

PRODUCT DATA

A. Chemical Composition

1. Active Ingredients:	n-Alkyl (C ₁₂ 67%, C ₁₄ 25%, C ₁₆ 7% C ₈ , C ₁₀ , C ₁₈ 1%) Dimethyl Benzyl Ammonium Chloride	0.0175%
	Isopropyl alcohol	5.4800%
	Other Ingredients	94.5025%
	Total.....	100.0000%

B. Primary Skin Irritation

Results: In accordance with EPA testing guidelines, this product is classified as Toxicity Category IV meaning mild or slight irritation.

C. Eye Irritation

A Primary Ocular Irritation test was performed on New Zealand White Rabbits. One eye of each rabbit was instilled with the test substance, while the contralateral eye remained untreated and served as control. Ocular lesions were evaluated by the method of Draize at 24 and 72 hours installation. **Results: Product is classified as Toxicity Category III meaning that any irritation clears in 7 days or less.**

D. Acute Oral Toxicity

An Acute Oral Toxicity was performed on Sprague-Dawley derived rats. The test material was administered orally. The animals were observed initially and once daily for 14 days. **Results: Acute Oral LD50: greater than 5g/kg body weight; Toxicity Category IV.**

BACTERIAL ORGANISM EFFICACY

ORGANISM: STAPHYLOCOCCUS AUREUS ATCC #6538
ESCHERICHIA COLI ATCC #11229
SHIGELLA BOYDII ATCC #9207

Test Method Used: AOAC Modified Spray Slide Test
5% Horse Serum as soil

Exposure Time: 30 Seconds

Carriers: Glass Slides

Incubation: 24 hours @ 37 degrees C

Results: 99.999% reduction of the microorganisms was achieved within 30 seconds

ORGANISM: STAPHYLOCOCCUS AUREUS ATCC #6538
SALMONELLA CHOLERAESUIS ATCC #10708
KLEBSIELLA PNEUMONIAE ATCC #4352

Test Method: AOAC Modified Spray Slide Test
5% Horse Serum as soil

Exposure time: 5 minutes @ 20 degrees C

Carriers: Glass Slides

Incubation: 24 hours @ 37 degrees C

Results: 99.9% reduction of the microorganism was achieved within 5 minutes

INFORMATIONAL DATA REPORT

No Rinse Sani-Surface™ Shopping Cart Sanitizing Wipes have been proven effective against the following organisms:

MICROORGANISM	TYPE	CHARACTERISTICS
Staphylococcus aureus	Gram positive	Highly infectious, skin lesions, boils, food poisoning, Hospital acquired infection
Salmonella choleraesuis	Gram negative	Food containment, Gastroenteritis, Septicemia
Klebsiella pneumoniae	Gram negative	Urinary tract infections, Septicemia, diarrhea
Escherichia coli	Gram negative	Infant diarrhea, urinary tract infections
Shigella boydii	Gram negative	Bacterial infection of the bowel, gastroenteritis bacterial dysentery, diarrhea

CAUTIONS

Avoid contact with eyes. Do not use for cleansing or sanitizing human skin.

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