

**SaniGuard Dry on Contact Sanitizing Surface Spray and Total Release Fogger**

Patented EPA Registered (EPA Reg. No. 69403) Surface Sanitizer Mfg Part # 55001, 55002, 52480, 52280, 52180

**Physical Characteristics**

Color – Clear  
 Fragrance – unscented  
 Vapor Density – 1.6  
 pH – 8.41 at 15.2c  
 Specific Gravity – 79c 20c

**Hazardous Safety Data**

*Acute data as pertaining to humans:*

Oral Toxicity –none  
 Epidermal Toxicity – none  
 Inhalation Toxicity – none

*Precautionary Data:*

Product should not be ingested or come into contact with the eyes. If ingested immediately drink 3 to 4 glasses of milk or water, do not induce vomiting, seek medical attention. If sprayed into eyes flush thoroughly with cold water.

*Physical and Chemical Hazards:*

Contents under pressure, should not be used near sparks or open flames, do not store at temperatures above 130°F.

**Ingredients**

*Active Ingredient:*

Didecyl dimethyl ammonium chloride

**Efficacy Data – Bacterial**

*Description of Test:*

AOAC Germicidal Spray Product Test. Test performed using 60 carriers with three samples of each representing 3 different batches. Microorganisms are dried onto glass slides and treated, percent reduction is then measured after specified time.

*Independent Test Laboratory:*

Hilltop Biolabs Inc.  
 Cincinnati, Ohio

*Test Date:*

06/11/1999

*Percent Reduction of Test Organism After 45 Second Exposure:*

Micro-Organism	ATCC #	% Reduction
Pseudomonas Aeruginosa	15442	99.99
Staphylococcus Aureus	6538	99.99
Staphylococcus Aureus (MRSA)	6538	99.99
Salmonella Choleraesuis	10708	99.99
Brevibacterium Ammonagenes	6871	99.99
Chlamydia Psittaci	VR-1310	99.99
Enterobacter Aerogenes	13048	99.99
Enterobacter Cloacae	13047	99.99
Enterobacter Coli	1129	99.99
Escherichia Coli	25922	99.99
Escherichia Coli (Methicillin Resistant)	25922	99.99

Continued on next page...

Klebsiella Pneumoniae	4352	99.99
Klebsiella Pneumoniae (Methicillin Resistant)	13883	99.99
Proteus Vulgaris	13315	99.99
Salmonella Schottmuelleri	10719	99.99
Salmonella Typhi	6539	99.99
Salmonella Typhimurium	15277	99.99
Salmonella Choleraesuis	10708	99.99
Serratia Marcescens	274	99.99
Shigella Dysenteriae	13313	99.99
Shigella Sonnei	9290	99.99
Shigella Flexneri	11836	99.99
Acinetobacter calcoaceticus	19606	99.99
Staphylococcus Epidermidis	25984	99.99
Streptococcus Faecalis	11700	99.99
Streptococcus Faecalis (Methicillin Resistant)	19433	99.99
Streptococcus Pyogenes	12344	99.99
Pseudomonas Aeruginosa	15442	99.99
Streptococcus Faecalis (Vancomycin Resistant)	11700	99.99

**Efficacy Data – Fungal**

*Description of Test:*

AOAC Fungicidal Test/AOAC Germicidal Spray Products Test. Product tested on two samples representing to different batches of the above test, each of two samples has ten carriers and inoculum concentration of 106 conidia per carrier.

*Percent Reduction of Test Organism After 45 Second Exposure:*

Fungi and Mold	ATCC #	% Reduction
Trichophyton Mentagrophytes	9533	99.99
Aspergillus Niger (Mold & Mildew)	6275	99.99
Candida Albicans	11651	99.99

**Efficacy Data – Viral**

*Description of Test:*

EPA DIS/TSS – 7 Test. Carrier method is modification of AOAC Germicidal Spray Products Test. Specific virus to be tested must be inoculated onto hard surface such as glass, steel, etc and allowed to dry. Two different batches of product tested against virus at room temperature for specified exposure time.

*Independent Test Laboratory:*

Hilltop Biolabs Inc.  
Cincinnati, Ohio

*Test Date:*

06/11/1999

*Percent Reduction of Test Virus After 45 Second Exposure:*

Virus	ATCC #	% Reduction
HIV – 1 (AIDS Virus)	VRMC-39	99.99
Influenza – A/Brazil	VR-95	99.99
Influenza A/PR	VR-95	99.99
Rubella	VR-315	99.99
Vaccinia	VR-156	99.99
Hepatitis B (HBV)	HB-8064	99.99
Herpes Simplex Type 1	VR-733	99.99
Herpes Simplex Type 2	VR-734	99.99

**Data Prepared and Compiled By**

Hal Vandermer and Associates  
Falls Church, VA

Date: 04/03/2006

Per: A. Hale Vandermer, Ph.D.