



CaviCide1™



Technical Bulletin

EPA Reg. No. 46781-12





PRODUCT DESCRIPTION

CaviCide1 is a multi-purpose disinfectant intended for use in cleaning, decontaminating and disinfecting hard non-porous, inanimate surfaces and non-critical instruments in hospitals, laboratories, and other critical care areas where environmental control of cross contamination between treated surfaces is important.



ACTIVE INGREDIENTS

Didecyldimethylammonium chloride.....	0.76%
Ethanol	7.50%
Isopropanol	15.00%
Other Ingredients.....	76.74%
Total.....	100.00%

NFPA Rating: Fire: 3 Health: 2 Instability: 0

EFFICACY

TUBERCULOCIDAL EFFICACY STUDIES

Mycobacterium tuberculosis var. bovis (BCG)(TB) *Mycobacterium tuberculosis var. bovis (BCG)(TB)*

Contact time tested
Test Method
Organic soil load
Test Results

1 minute
AOAC Germicidal Spray Products and Disinfectants Test.
5% Organic load
PASS



BACTERICIDAL EFFICACY STUDIES

Bacteria

Staphylococcus aureus [ATCC 6538]¹
Pseudomonas aeruginosa [ATCC 15442]¹
Salmonella enterica [ATCC 10708]¹
Carbapenem-Resistant *Klebsiella pneumoniae* (CRKP) (CRE) [ATCC BAA-2470]
Acinetobacter baumannii [ATCC 19606]
Multi-Drug Resistant (MDR) *Acinetobacter baumannii* [ATCC BAA-1605]
Methicillin Resistant *Staphylococcus aureus* (MRSA) [ATCC 33592]
Vancomycin Resistant *Enterococcus faecalis* (VRE) [ATCC 51299]
Vancomycin Intermediate *Staphylococcus aureus* (VISA) [ATCC 700699]
Burkholderia cepacia [ATCC 25416]
Methicillin Resistant *Staphylococcus epidermidis* (MRSE) [ATCC 51625]
Klebsiella pneumoniae [ATCC 4352]
Enterobacter cloacea [ATCC 13047]
Extended spectrum β -lactamase *Escherichia coli* (ESBL) [ATCC BAA-196]

Contact time tested
Test Method
Test Method¹
Organic soil load
Test Results

1 minute

AOAC Germicidal Spray Products and Disinfectants Test.
AOAC Spray Test Healthcare
5% Organic load
PASS

VIRUCIDAL EFFICACY STUDIES

Virus

Hepatitis B Virus (HBV - Duck Hepatitis B surrogate)
Human Immunodeficiency Virus Type 1 (HIV-1)
Herpes Simplex Virus Type 1 [ATCC VR-260]
Herpes Simplex Virus Type 2 [ATCC VR-734]
Influenza A Virus (H3N2)
Hepatitis C Virus (HCV)
Rotavirus
Norovirus (Feline calici virus surrogate)
Human Coronavirus [ATCC VR-740]
Adenovirus Type 2 [ATCC VR-846]*

Contact time tested
Test Method
Organic soil load
Test Results

1 minute (*: 3 minute)

Virucidal Hard-Surface Efficacy Test (810.2000, 810.2200)
5% Organic load
PASS



PATHOGENIC FUNGI

Candida albicans [ATCC 10231]
Trichophyton mentagrophytes [ATCC 9533]

Contact time tested
Test Method
Organic soil load
Test Results

1 minute

5% Organic load
PASS

TOXICITY

Study	Category	Test Guideline	Test Results
Acute Eye Irritation	Category II	OCSPP 870.2400	Moderately irritating
Acute Dermal Irritation	Category IV	OCSPP 870.2500	Slightly irritating
Acute Inhalation	Category IV	OCSPP 870.1300	LC50 exceeds 2.16 mg/ml
Acute Dermal Toxicity	Category IV	OCSPP 8700.1200	LD50 exceeds 5050 mg/kg
Acute Oral Toxicity	Category IV	OCSPP 870.1100	LD50 exceeds 5000 mg/kg
Skin Sensitization	Product is not a sensitizer	OCSPP 870.2600	No irritation. Not a sensitizer

Chronic Hazards: None expected.

Carcinogen: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.