

# Metrex™

INFECTION PREVENTION



**CAVICIDE™**

TECHINCAL  
BULLETIN

EPA REG. NO. 46781-6

## Product Description

CaviCide is a multi-purpose disinfectant for use in cleaning, 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

Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride .....	0.28%
Isopropanol .....	17.20 %
Inert Ingredients.....	82.52%
<b>Total.....</b>	<b>100.00%</b>

## Efficacy

### Tuberculocidal Efficacy Studies

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

Contact time tested	<b>3 minutes</b>
Test Method	AOAC Germicidal Spray Test
Organic soil load	5% Organic load
Test Results	PASS

### Fungicidal Efficacy Studies

**Organism** *Trichophyton mentagrophytes* [ATCC 9533]

Contact time tested	<b>3 minutes</b>
Test Method	AOAC Use Dilution Test
Organic soil load	5% Organic load
Test Results	PASS

## Bactericidal Efficacy Studies

### Bacteria

*Staphylococcus aureus* [ATCC 6538]  
*Pseudomonas aeruginosa* [ATCC 15442]  
*Salmonella enterica* [ATCC 10708]  
Methicillin Resistant *Staphylococcus aureus* (MRSA) [ATCC 33591]  
Vancomycin Resistant *Enterococcus faecalis* (VRE) [ATCC 51299]

Contact time tested **3 minutes**  
Test Method AOAC Use-Dilution Test  
Organic soil load 5% Organic load  
Test Results PASS

## Virucidal Efficacy Studies

### Virus

Herpes Simplex Virus [type 1] [ATCCVR-260]  
Herpes Simplex Virus [type 2] [ATCC VR-734]  
Human Coronavirus (not associated with Severe Acute Respiratory Syndrome or SARS) [229E]  
Duck Hepatitis Virus Surrogate for] Hepatitis B Virus (HBV) [Grimaud, Hepadna Virus Testing]  
Bovine Viral Diarrhea Virus Surrogate for] Hepatitis C Virus (HCV) [NADL, ATCC VR-1422]  
Human Immunodeficiency Virus (HIV-1) [HIV-1, Zeptomatrix]  
Influenza A2 Virus [h3N2, A/Hong Kong/8/68 Charles River Laboratories]

Contact time tested **2 minutes**  
Test Method Virucidal Effectiveness Test  
Organic soil load 5% Organic load  
Test Results PASS

## Toxicity

Study	Category	Test Guideline	Test Results
Acute Eye Irritation	Category III	OPPTS 870.2400	Moderately irritating
Acute Dermal Irritation	Category IV	OPPTS 870.2500	No irritation
Acute Inhalation	Category IV	OPPTS 870.1300	LC50 of greater than 2 mg/L
Acute Dermal Toxicity	Category IV	OPPTS 8700.1200	LC50 2.0mg/kg of body weight
Acute Oral Toxicity	Category IV	OPPTS 870.1100	LD50 exceeds 5000 mg/kg
Skin Sensitization	Product is not a sensitizer	OPPTS 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.