



CAVIWIPES™ 2.0

TECHINCAL
BULLETIN

EPA REG. NO. 46781-17

Product Description

CaviWipes 2.0 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

Isopropyl Alcohol	17.20%
Didecyl dimethyl ammonium chloride.....	0.17%
Alkyl (C14-50%, C12-40%, C16-10%) dimethyl benzyl ammonium chloride.....	0.11%
Other Ingredients†	82.52%
Total.....	100.00%

[† Does not include the weight of the towelette]

Efficacy

Tuberculocidal Efficacy Studies

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

Contact time tested	2 Minutes
Test Method	AOAC Tuberculocidal Activity Test (965.12)
Organic soil load	5% Organic Soil Load
Test Results	PASS

Bactericidal Efficacy Studies

Bacteria

Staphylococcus aureus [ATCC 6538]
Pseudomonas aeruginosa [ATCC 15442]
Salmonella enterica [ATCC 10708]
Legionella pneumophila [ATCC 33153]
Bordetella pertussis [ATCC 12743]
Moraxella catarrhalis [ATCC 25240]
Enterococcus faecium [ATCC 51559]
Klebsiella pneumoniae [ATCC 4352]
Acinetobacter baumannii [ATCC 19606]
Escherichia coli O157:H7 [ATCC 35150]
Micrococcus luteus [ATCC 14408]
Streptococcus mutans [ATCC 25175]
Burkholderia cepacia [ATCC 25416]
Stenotrophomonas maltophilia [ATCC 25596]
Streptococcus pyogenes [ATCC 12344]

Contact time tested
 Test Method
 Organic soil load
 Test Results

2 minutes
 Germicidal Spray Products as Disinfectants AOAC Method 961.02 (modified)
 5% Organic Soil Load
 PASS

Multi Drug Resistant

Bacteria

Bacteria

Penicillin-Resistant *Streptococcus pneumoniae* (PRSP) [ATCC 700677]
 Vancomycin-Resistant *Enterococcus faecalis* (VRE) [ATCC 51575]
 Methicillin-Resistant *Staphylococcus aureus* (MRSA) [ATCC 33592]
 Carbapenem-resistant *Klebsiella pneumoniae* (CRKP) [ATCC BAA-1705]
 Multidrug-Resistant *Acinetobacter baumannii* (MRAB) Resistant to Ceftazidime and Gentamicin [ATCC BAA-1605]
 NDM-1 *Enterobacter cloacae* [AR-0038]
 Vancomycin-Intermediate *Staphylococcus aureus* (VISA) [ATCC 700699]

Contact time tested
 Test Method
 Organic Soil Load
 Test Results

2 minutes
 Germicidal Spray Products as Disinfectants AOAC Method 961.02 (modified)
 5% Organic Soil Load
 PASS

Virucidal Efficacy Studies

Non-Enveloped Viruses*

Adenovirus Type 2* [ATCC VR-846]
 Norovirus – Feline Calicivirus as surrogate* [ATCC VR-782]
 Feline Calicivirus* [ATCC VR-782]
 Human Rotavirus* [ATCC VR-2018]
 Enterovirus Type 71* [ATCC VR-1432]
 Echovirus Type 11* [ATCC VR-41]

Contact time tested

2 Minutes

Test Method

ASTM E1053-11 "Standard Test Method to Assess Virucidal Activity of Chemicals Intended for Disinfection of Inanimate, Nonporous Environmental Surfaces"

Organic soil load

5% Organic Soil Load

Test Results

PASS

Enveloped Viruses*

Herpes simplex virus Type 1* [ATCC VR-733]
 Herpes simplex virus Type 2* [ATCC VR-734]
 Influenza A virus (H3N2)* [ATCC VR-544]
 Influenza B virus* [ATCC VR-823]
 Parainfluenza virus Type 3* [ATCC VR-93]
 Human orthopneumovirus (Respiratory Syncytial Virus)* [ATCC VR-26]
 SARS-associated Coronavirus* [CDC 200300592]
 Measles virus* [ATCC VR-24]
 Hepatitis B virus (HBV)*
 Hepatitis C virus (HCV)*
 HIV-1 (Human Immunodeficiency virus Type 1)*

Contact time tested

2 Minutes

Test Method

ASTM E1053-11 "Standard Test Method to Assess Virucidal Activity of Chemicals Intended for Disinfection of Inanimate, Nonporous Environmental Surfaces"

Organic soil load

5% Organic Soil Load

Test Results

PASS

Pathogenic Fungi

Candida Auris

Contact time tested

2 Minutes

Test Method

OECD Quantitative Method for Evaluating the Efficacy of Liquid Antimicrobials against *Candida Auris* on Hard, Non-Porous Surfaces.
 Neutralization Confirmation for Evaluating the Efficacy of Liquid Antimicrobials against *Candida auris* on Hard, Non-porous Surfaces.

Organic soil load

5% Organic Soil Load

Test Results

PASS

Toxicity

Study	Category	Test Guideline	Test Results
Acute Eye Irritation	Category III	OCSPP 870.2400	Minimal irritation to eyes.
Acute Skin Irritation	Category IV	OCSPP 870.2500	Slight skin irritation.
Acute Inhalation	Category IV	OCSPP 870.1300	LC50: >2.07 mg/L/4hr
Acute Dermal Toxicity	Category IV	OCSPP 870.2500	LD50: >5050 mg/kg
Acute Oral Toxicity	Category IV	OCSPP 870.1100	LD50: >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.

GHS / HAZCOM 2012 Classification: Flammable Liquid Category 4

*Virus