

# Assured Sanitiser

## Product Description

A highly concentrated sanitiser for the cleaning, deodorising and disinfection of hard surfaces. Assured Sanitiser is Bactericidal, Fungicidal, Viricidal and a Mildewstat.

## Product Features

- US EPA approved. (United States Environmental Protection Agency)
- Dilute to 1: 120 for use.
- Outstanding micro-biocidal activity - See 'Efficacy Data' for full test data.
- Phosphate free
- pH neutral
- Fully biodegradable.
- For use on all hard surface types for the removal of grease, oil and general dirt soiling, and surface disinfection.
- Bactericidal, Fungicidal, Viricidal and a Mildewstat.
- **Kill: HIV-1, HIV-2, MRSA, SARS and much more., See 'Efficacy Data' for full test data.**

## Direction for Use

- Dilute product to 1:120 for use
- Apply Sanitiser solution to surface and ideally allow 5 minutes contact time
- Agitate surface to remove stubborn soiling
- Rinse thoroughly with fresh water and allow to air dry
- Sanitiser may be applied by low pressure spray, trigger spray, sponge, mop & bucket or cloth
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## Storage

- Store in cool conditions away from direct sources of heat
- Avoid extremes of temperature
- Do not allow to freeze
- Ensure the cap is tightly fitted after use
- Keep out of reach of children

## PRODUCT USE GUIDE FOR **Assured Sanitiser**

### **Shelf Life**

- Shelf life 24 months, if stored as recommended.
- Use within 6 months of opening.

### **Environmental Hazards**

- Do not allow large quantities of neat liquid to enter surface waterways.

### **Pack Size**

5L

### **Data Sheet No. AHLS**

Note: This product is only to be used for the purpose for which it was intended and in accordance with the specified instructions. This product should never be mixed with other chemical products and should be handled with care and stored carefully out of reach of children.

## EFFICACY DATA for ASSURED SANITISER

### VIRUCIDAL DATA:

#### Test Methods:

\* U.S. E.P.A. Pesticide Assessment Guidelines, Subdivision G: Product Performance, Section 91-2 (f), and Section 91-30, (d), (e), November 1982.

† Protocols for Testing the Efficacy of Disinfectants against Hepatitis B Virus (HBV) (EPA, Federal Register, Vol. 65, No. 166, 8/25/2000, p. 51828).

‡ Protocol for Testing Disinfectants against Hepatitis C Virus using Bovine Viral Diarrhea Virus as approved by the U.S. EPA on August 15, 2002.

**Test Conditions:** 10 minute contact time, 5% organic soil load, sterile glass petri dishes, 400 ppm hard water, 21-24°C exposure temperature, 1 oz/gal dilution

#### Results:

Test Organism	Sample		Titer Reduction	
*Avian Influenza A Virus (H3N2) (Avian Ressorant) (ATCC VR-2072)	A	B	>4.25 log <sub>10</sub>	>4.25 log <sub>10</sub>
*Avian Influenza Virus, Type A (Turkey/WIS/66) (H9N2)	A	B	>4.0 log <sub>10</sub>	>4.0 log <sub>10</sub>
‡Bovine Viral Diarrhea Virus (BVDV)	A	B	5.9 log <sub>10</sub>	5.9 log <sub>10</sub>
*Canine Distemper, strain Lederle (ATCC VR-128)	A	B	>6.25 log <sub>10</sub>	>6.25 log <sub>10</sub>
*Feline Picornavirus, strain FRV (ATCC VR-649)	A	B	>4.25 log <sub>10</sub>	>4.25 log <sub>10</sub>
†Hepatitis B Virus (HBV) (Duck Hepatitis B Virus-DHBV)	A	B	4.5 log <sub>10</sub>	4.7 log <sub>10</sub>
‡Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus-BVDV)	A	B	5.9 log <sub>10</sub>	5.9 log <sub>10</sub>
*Herpes Simplex Type 1 (ATCC VR-260)	A	B	>5.0 log <sub>10</sub>	>5.0 log <sub>10</sub>
*Herpes Simplex Type 2 (ATCC VR-734)	A	B	>6.0 log <sub>10</sub>	>6.0 log <sub>10</sub>
*Human Coronavirus (ATTC VR-740, strain 229E)	A	B	>3.0 log <sub>10</sub>	>3.0 log <sub>10</sub>
*Human Immunodeficiency Virus, HTLV-III <sub>RF</sub> , strain of HIV-1 (associated with AIDS)	A	B	>3.5 log <sub>10</sub>	>3.5 log <sub>10</sub>
*Human Immunodeficiency Virus type 2 (HIV-2), strain CBL-20	A	B	>3.25 log <sub>10</sub>	>3.25 log <sub>10</sub>
*Infectious Bovine Rhinotracheitis, strain LA (ATCC VR-188)	A	B	>5.0 log <sub>10</sub>	>5.0 log <sub>10</sub>
*Influenza A <sub>2</sub> , strain Hong Kong (ATCC VR-544)	A	B	>4.25 log <sub>10</sub>	>4.25 log <sub>10</sub>
*Pseudorabies, strain Aujeszky (ATCC VR-135)	A	B	>5.25 log <sub>10</sub>	>5.25 log <sub>10</sub>
*Rotavirus, strain SA-11 (ATCC VR-899)	A	B	4.5 log <sub>10</sub>	4.5 log <sub>10</sub>
*SARS Associated Coronavirus (ZeptoMetrix)	A	B	3.03 log <sub>10</sub>	3.03 log <sub>10</sub>
*Vaccinia, strain WR (ATCC VR-119)	A	B	>5.5 log <sub>10</sub>	>5.5 log <sub>10</sub>

**Conclusion:** Under the conditions of this investigation, this product was **virucidal** for Avian Influenza A Virus (H3N2), Avian Influenza Virus, Type A (H9N2), Bovine Viral Diarrhea Virus (BVDV), Canine Distemper, Feline Picornavirus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1, Herpes Simplex Type 2, Human Coronavirus, Human Immunodeficiency Virus (HIV-1), Human Immunodeficiency Virus Type 2 (HIV-2), Infectious Bovine Rhinotracheitis, Influenza A<sub>2</sub>, Pseudorabies, Rotavirus, SARS Associated Coronavirus and Vaccinia according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

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## EFFICACY DATA for Assured Sanitiser (EPA Reg. No. 1839-166-79687)

### MILDEW FUNGISTATIC DATA:

**Test Method:** Hard Surface Mildew Fungistatic Test

**Test Organism:** *Aspergillus niger* (ATCC 6275)

**Test Conditions:** 400 ppm hard water, ceramic tile carriers, 1 oz/gal dilution

**Results:**

Sample	No. of Exposed Tiles	No. of Tiles Showing Growth
A	10	0
B	10	0
Control	10	10

**Conclusion:**

Under the conditions of this investigation, this product was **fungistatic** for *Aspergillus niger* according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a fungistat.

### FUNGICIDAL DATA:

**Test Method:** AOAC Fungicidal Activity of Disinfectants

**Test Conditions:** 5% organic soil load, 20°C exposure temperature, 200 ppm hard water, 1 oz/gal dilution

**Results:**

Exposure Time (min.) vs. Growth				
Test Organism	Sample	5	10	15
<i>Trichophyton mentagrophytes</i> (ATCC 9533)	A	+	0	0
	B	+	0	0
<i>Candida albicans</i> (ATCC 10231)	A	0	0	0
	B	0	0	0

**Conclusions:**

Under the conditions of this investigation, this product was **fungicidal** for *Trichophyton mentagrophytes* and *Candida albicans* according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a fungicide.

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# EFFICACY DATA for Assured Sanitiser (EPA Reg. No. 1839-166-79687)

## DISINFECTION DATA:

**Test Method:** AOAC Use Dilution

**Test Conditions:** 5% organic soil load, 10 minute contact time, stainless steel carrier substrates, 400 ppm hard water, 20°C exposure temperature, 1 oz/gal dilution

### Results:

Test Organism	Sample	No. of Carriers Exposed	Positive
<i>Staphylococcus aureus</i> (ATCC 6538)	A	60	1
	B	60	1
	C	60	1
<i>Salmonella enterica</i> (ATCC 10708)	A	60	0
	B	60	0
	C	60	1
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	A	60	0
	B	60	0
	C	60	1
<i>Bordetella bronchiseptica</i> (ATCC 31437)	A	10	0
	B	10	0
Community Associated Methicillin Resistant <i>Staphylococcus aureus</i> (CA-MRSA) (NRS 123, Genotype USA400)	A	10	0
	B	10	0
	C	10	0
Community Associated Methicillin Resistant <i>Staphylococcus aureus</i> (CA-MRSA) (NRS 384, Genotype USA300)	A	10	0
	B	10	0
	C	10	0
<i>Corynebacterium ammoniagenes</i> (ATCC 6871)	A	10	0
	B	10	0
<i>Enterobacter aerogenes</i> (ATCC 13048)	A	10	0
	B	10	0
<i>Enterobacter cloacae</i> (ATCC 23355)	A	10	0
	B	10	0
<i>Enterobacter cloacae</i> (clinical isolate)	A	10	0
	B	10	0
<i>Enterococcus faecalis</i> (ATCC 19433)	A	10	0
	B	10	0
<i>Enterococcus faecalis</i> (clinical isolate)	A	10	0
	B	10	0
<i>Escherichia coli</i> (ATCC 11229)	A	10	0
	B	10	0
<i>Escherichia coli</i> (clinical isolate)	A	10	0
	B	10	0
<i>Fusobacterium necrophorum</i> (ATCC 27852)	A	10	0
	B	10	0

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**DISINFECTION DATA (continued):**

Test Organism	No. of Carriers	Sample	Exposed	Positive
<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> (ATCC 13883)		A	10	0
		B	10	0
<i>Listeria monocytogenes</i> (ATCC 35152)		A	10	0
		B	10	0
Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA) (ATCC 33592)		A	10	0
		B	10	0
<i>Pasteurella multocida</i> (ATCC 7707)		A	10	0
		B	10	0
<i>Proteus mirabilis</i> (ATCC 9921)		A	10	0
		B	10	0
<i>Proteus mirabilis</i> (ATCC 25933)		A	10	0
		B	10	0
<i>Proteus vulgaris</i> (ATCC 13315)		A	10	0
		B	10	0
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>paratyphi</i> (ATCC 8759)		A	10	0
		B	10	0
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>pullorum</i> (ATCC 9120)		A	10	0
		B	10	0
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>typhi</i> (ATCC 6539)		A	10	0
		B	10	0
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>typhimurium</i> (ATCC 14028)		A	10	0
		B	10	0
<i>Serratia marcescens</i> (ATCC 8100)		A	10	0
		B	10	0
<i>Shigella dysenteriae</i> (ATCC 12180)		A	10	0
		B	10	0
<i>Shigella flexneri</i> Type 2b (ATCC 12022)		A	10	0
		B	10	0
<i>Shigella sonnei</i> (ATCC 25931)		A	10	0
		B	10	0
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (ATCC 33592)		A	10	0
		B	10	0
<i>Staphylococcus aureus</i> (clinical isolate)		A	10	0
		B	10	0
<i>Staphylococcus epidermidis</i> (ATCC 29641)		A	10	0
		B	10	0
<i>Staphylococcus epidermidis</i> (clinical isolate)		A	10	0
		B	10	0
<i>Streptococcus pyogenes</i> Group A (ATCC 19615)		A B	10 10	0 0

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**DISINFECTION DATA (continued):**

Test Organism		No. of Carriers	Sample	Exposed	Positive
<i>Streptococcus pyogenes</i> (clinical-flesh eating strain, BIRD M3)			A	10	0
			B	10	0
Vancomycin Resistant <i>Enterococcus faecalis</i> (VRE) (ATCC 51575)			A	10	0
			B	10	0
Vancomycin Intermediate Resistant <i>Staphylococcus aureus</i> (VISA) (HIP-5836)			A	10	0
			B	10	0

**Conclusion:** Under the conditions of these investigations, this product demonstrated **disinfectant** activity against *Staphylococcus aureus*, *Salmonella enterica*, *Pseudomonas aeruginosa*, *Bordetella bronchiseptica*, Community Associated Methicillin Resistant *Staphylococcus aureus* (CA-MRSA) (NRS 123, Genotype USA400), Community Associated Methicillin Resistant *Staphylococcus aureus* (CA-MRSA) (NRS384, Genotype USA300), *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterococcus faecalis*, *Escherichia coli*, *Fusobacterium necrophorum*, *Klebsiella pneumoniae* subsp. *pneumoniae*, *Listeria monocytogenes*, Methicillin Resistant *Staphylococcus aureus* (MRSA), *Pasteurella multocida*, *Proteus mirabilis* (ATCC 9921), *Proteus mirabilis* (ATCC 25933), *Proteus vulgaris*, *Salmonella enterica* subsp. *enterica* serotype *paratyphi B*, *Salmonella enterica* subsp. *enterica* serotype *pullorum*, *Salmonella enterica* subsp. *enterica* serotype *typhi*, *Salmonella enterica* subsp. *enterica* serotype *typhimurium*, *Serratia marcescens*, *Shigella dysenteriae*, *Shigella flexneri* Type 2b, *Shigella sonnei*, *Staphylococcus aureus* subsp. *aureus*, *Staphylococcus epidermidis*, *Streptococcus pyogenes* Group A, *Streptococcus pyogenes* (clinical-flesh eating strain, BIRD M3), Vancomycin Resistant *Enterococcus faecalis* (VRE), and Vancomycin Intermediate Resistant *Staphylococcus aureus* (VISA), according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a bactericide.

This product also demonstrated disinfectant activity against the following antibiotic resistant clinical isolates: *Enterobacter cloacae*, *Enterococcus faecalis*, *Escherichia coli*, *Staphylococcus aureus*, and *Staphylococcus epidermidis*.

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