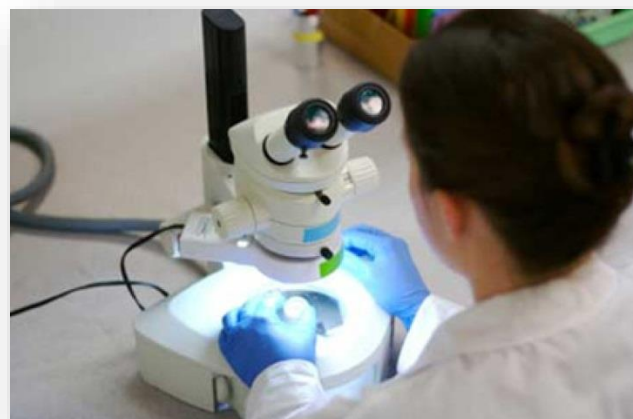




Evans Vanodine International plc
GLOBAL HYGIENE SOLUTIONS

SAFE ZONE PLUS



MICROBIOLOGICAL PROFILE

SAFE ZONE PLUS MICROBIOLOGICAL PROFILE

INTRODUCTION

SAFE ZONE PLUS is an unperfumed liquid virucidal disinfectant.

SAFE ZONE PLUS is available as a ready-to-use solution.

SAFE ZONE PLUS has been tested using European Standard methods to meet specific classification/regulatory demands.

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FUNGICIDAL ACTIVITY

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VIRUCIDAL ACTIVITY

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Avian Influenza Virus (H3N8/H5N1)

Adenovirus

Bovine Coronavirus

ECBO Virus

Influenza A (H1N1/H7N9)

Norovirus

Poliovirus

Polyomavirus SV 40

Rotavirus

Vacciniavirus

SAFE ZONE PLUS MICROBIOLOGICAL PROFILE

Activity against bacteria

BACTERIA	DISEASE / INFECTION	Suspension Test methods			Surface Test methods		
		Reference	Contact time (mins)		Reference	Contact time (mins)	
			C	D		C	D
<i>Enterococcus hirae</i>	Urinary tract infections	EN 13727		5	EN 13697		5
					EN 14561	15	
<i>Escherichia coli</i>	Food poisoning				EN 13697		5
<i>Pseudomonas aeruginosa</i>	Opportunistic pathogen, wound, burn infections	EN 1276 EN 13727		5	EN 13697		5
					EN 14561	15	
<i>Leptospira interrogans</i>	Leptospirosis (Weils disease)	EN 1276	5				
<i>Methicillin resistant Staphylococcus aureus</i>	Skin, bone and wound infections	EN 1276		5			
<i>Staphylococcus aureus</i>	Skin, bone and wound infections	EN 1276 EN 13727		5	EN 13697		5
					EN 14561	15	
<i>Bacillus subtilis</i> spores	Opportunistic pathogen	EN 13704	60				
<i>Clostridium difficile</i> spores	Diarrhoea, abdominal cramps	EN 13704	60				

Activity against fungi

FUNGI	DISEASE / INFECTION	Suspension Test methods			Surface Test methods		
		Reference	Contact time (mins)		Reference	Contact time (mins)	
			C	D		C	D
<i>Aspergillus brasiliensis</i>	Ear infections	EN 1650 EN 13624	15		EN 13697		15
<i>Candida albicans</i>	Oral and genital infections, candidiasis	EN 1650 EN 13624	15		EN 13697		15
					EN 14562	15	

C = CLEAN

D = DIRTY

SAFE ZONE PLUS MICROBIOLOGICAL PROFILE

Activity against viruses

VIRUS	DISEASE / INFECTION	Contact time (mins)		Test method
		C	D	Suspension
Avian Influenza Virus (H3N8/H5N1)	Avian influenza that can be transmitted to man	5	10	EN 14476
Adenovirus	Respiratory infections	30	30	EN 14476
Bovine Coronavirus	Calf enteritis	1		EN 14476
ECBO Virus	Reproductive, respiratory, or enteric disease in cattle		30	RKI and DVV*
Influenza A H1N1	Common cause of human influenza		15	EN 14476
Influenza A H7N9	Influenza		5	EN 14476
Norovirus	Diarrhoea and vomiting, gastroenteritis	5	15	EN 14476
Poliovirus	Polio	30	60	EN14476
Polyomavirus SV 40	Kidney, respiratory and brain infections and potentially oncogenic (tumour causing)		30	RKI and DVV*
Rotavirus	Severe vomiting and diarrhoea in infants and young children	15		RKI and DVV*
Vacciniavirus	Infection following vaccination		5	RKI and DVV*

*Robert Koch Institute is the public health institute in Germany and DVV is the German Association for the Control of Virus Diseases.

SAFE ZONE PLUS MICROBIOLOGICAL PROFILE

TEST METHOD REFERENCES

EUROPEAN STANDARD: EN 1276

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas

Test Parameters: 5 minute contact time, 20°C, hard water, dirty and clean conditions.
Bactericidal Criteria: ≥ 5 log reduction \equiv 99.999% reduction.

EUROPEAN STANDARD:1650

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas.

Test parameters: 15 minute contact time, 20°C, hard water, low level soiling.
Fungicidal criteria: ≥ 4 log reduction \equiv 99.99% reduction.

EUROPEAN STANDARD:13697

Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas. Without mechanical action.

Test Parameters: 5 minute contact time, 20°C, hard water, dirty conditions.
Bactericidal Criteria: ≥ 5 log reduction \equiv 99.999% reduction.

Test parameters: 15 minute contact time, 20°C, hard water, low level soiling.
Fungicidal criteria: ≥ 4 log reduction \equiv 99.99% reduction.

EUROPEAN STANDARD:13704

Chemical disinfectants – Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas.

Test Parameters: 60 minute contact time, 20°C, hard water, low level soiling.
Sporicidal Criteria: ≥ 4 log reduction \equiv 99.99% reduction.

SAFE ZONE PLUS MICROBIOLOGICAL PROFILE

TEST METHOD REFERENCES

EUROPEAN STANDARD:13727

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the medical area

Test Parameters: 5 minute contact time, 20°C, hard water, dirty conditions.
Bactericidal Criteria: ≥ 5 log reduction \equiv 99.999% reduction.

EUROPEAN STANDARD:13624

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the medical area.

Test parameters: 15 minute contact time, 20°C, hard water, low level soiling.
Fungicidal criteria: ≥ 4 log reduction \equiv 99.99% reduction.

EUROPEAN STANDARD:14561

Chemical disinfectants and antiseptics – Quantitative carrier test for evaluation of bactericidal activity for instruments used in the medical area.

Test parameters: 15 minute contact time, 20°C, low level soiling.
Bactericidal criteria: ≥ 5 log reduction \equiv 99.999% reduction.

EUROPEAN STANDARD:14476

Chemical disinfectants and antiseptics – Virucidal quantitative suspension test for chemical disinfectants and antiseptics used in the medical area.

Test parameters: 5 minute contact time, 20°C, organic soiling.
Virucidal criteria: ≥ 4 log reduction \equiv 99.99% reduction.