

PRODUCT DATA SHEET

Unique Formulation

BioPass is a unique formulation combining a powerful oxidising agent with additives and stabilising agents, producing a multi-action solution that desmuts, passivates and disinfects all in one. Requiring no activation, this product is effective in a single application.

Single Step Easy Application

It's as simple as that, no fuss, no waste, no further treatment. A single application is all that is required to effectively passivate, disinfect and sanitise a stainless steel surface.

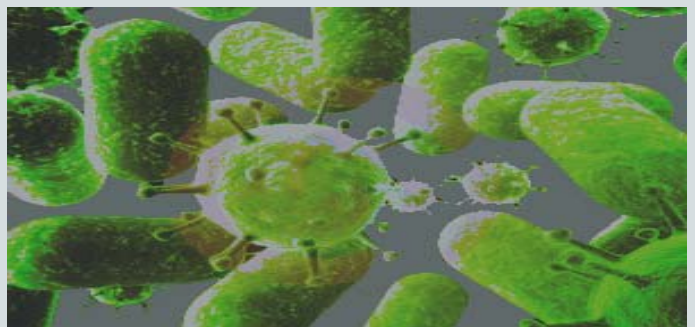


Supplied ready to use:
500ml trigger spray),
or 25lt drums

Product features:

- Assuming surfaces have previously been degreased, pickled or electro polished, application is by simply spraying liberally over all surfaces, ensuring that all areas are covered and wetted.
- The active ingredients and additives will do the rest, with the added benefit of general desmuting and complex metal salts removal - which may be present from previous processes.
- Following application, surfaces are left to react and dry, requiring no post rinsing.
- In hot conditions, surfaces should remain wetted for a minimum of 5 minutes to ensure adequate activation, passivation, disinfecting and sanitation.

- Effective stainless steel passivation in compliance with global standard ASTM A967
- Biocide & disinfecting properties in compliance with European EN protocols.
- Non hazardous, biodegradable product, soluble in water and harmless to aquatic life forms
- Removes and desmuts undesired complex metallic salts and residues
- Can be used on other corrosion resistant hard surfaces as well as stainless steel.
- Effective algacide & fungicide, ideal for marine applications. Low sensitivity to light and temperature variation.
- Ready to use, supplied in trigger spray applicators and 25 litre drums.



BioPass: effective against bacteria, viruses and fungi

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Stainless Steel Surface Finishing, Products & Consumables, Plant / Equipment & Consultation

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Efficacy Test Results

BioPass is a highly effective against all bacteria, viruses, algae and fungi. The data below demonstrates positive efficacy test results at the ready to use supplied concentration

BACTERIA	EFFICIAT LOG REDUCTION	TIME MINS	PROTEIN
ESCHERICHIA COLI	6	60	0
	5.2	60	0.2
CLAVIBACTER MICHIGANENSIS	1.1	5	0
	3	5	0
XANTHOMONAS CAMPESTRIS	>5.8	5	0
STAPHYLOCOCCUS AUREUS	>5.4	5	0
	>5.8	5	0
STREPTOCOCCUS FAECIUM	>5.8	5	0.03
PSEUDOMONAS ARUGINOSA	6.1	5	0.03
MYCOBACTERIUM TERRAE	3	5	0.03
PROTEUS MIRABILIS	>5.9	5	0.03
LEGIONELLA (SERO TYPE 1)	>5.1	24 HOUR	0
	>5.1	24 HOUR	0
	>6.6	5	0
	>6.6	60	0
	>6.6	24 HOUR	0
	>7	10	0
AEROMONAS HYDROPHYLA	>6	5	0.03
	>6	5	1
	>6	5	0.03
SALMONELLA ENTRIDIDES	>6	5	0.03
	4	5	1
	<2.4	5	1
	>6.8	5	0.03
LACTOBACTILLUS BREVIS	5	5	1
LACTOBACTILUS LINDRERI	>6	3	0.03
PIOCOCCUS DANNOSSUS	>6	10	0
ESCHERECHIA COLI	>6	10	0
	>6	10	0
PSEUDOMONAS SPEC.	>6	10	0
VIRUS			
PAPRIKA MOZAIK	3	5	120
FUNGI AND SPORES			
FUSARIUM OXYSPORUM	>5.4	5	0
ASPERGILLUS FUMIGATUS BACILLUS SUBTILIS VAR NIGER	>5.2	5	0.03
YEAST			
CANDIDA ALBICANS	>5.1	5	0.03
	>5.6	60	0
	5	5	0
	4.6	5	0.03
ACCHAROMYCES UVARUM	>6	10	0
PICHIA MEMBRANAEFACIENS	>6	10	0

Germicidal Effect

BioPass is a true no gap disinfectant. Effective against all bacteria, viruses, algae and fungi without exception.

A modern hard surface biocide, It is highly effective against:-

- Gram-positive bacteria, gram-negative bacteria, pathogens like Legionella, Salmonella, and Listeria, and all virus groups, sheathed or unsheathed.
- Effective against yeast spores, moulds and biofilms the adhesive ecosystem, which attaches itself to pipe and vessel walls.
- **BioPass** is very stable (up to 95 °C), and degrades in an environmentally friendly manner, breaking down to water and oxygen.



BioPass was applied for final desmuting, passivation, disinfecting and sanitation of marina handrails at Swansea Docklands.

Images courtesy of MPE Applied Technologies Limited

Disclaimer

The views expressed in this report are those of its authors. These views should not be considered representative of the parent institutions of the expert authors.

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