

deconex® SURFACE AF

Aldehyde free disinfectant

For disinfection and cleaning of floors, walls and medical devices



Application

For disinfecting and simultaneous cleaning of surfaces such as floors and walls in operating theatres and wards, in bath- and washrooms and toilets as well as for the disinfection of furniture and medical devices such as OR-tables, OR-lamps, examination tables, bedsteads etc.

Properties

Formulated according to the latest demands, this product achieves an excellent microbicidal performance with a comparatively low concentration of active substances. Full tuberculocidal efficacy, confirmed in a phase 2 / step 2 test, was achieved with 1% / 60 min. This is the best existing value for disinfectants of this class. For all other relevant test organisms, excluding rotavirus, already 0.25% / 60 min was sufficient. With a concentration of 0.5%, all test organisms except *M. terrae* and rotavirus, were killed within 15 minutes. This high efficacy allows not only a rapid, but also an economic disinfection, even at places, where short idle hours are important, e.g. operating theatres, baths and toilets.

Non-contaminated use solutions of deconex SURFACE AF can be stored and used up to 14 days.

The modern, «slim» formula of deconex SURFACE AF prevents floors from getting sticky, which may be the case with some other products containing quaternary ammonium compounds. Moreover, its «slim» formula and low dosage result in a reduced release of organic substances into the environment.

Spectrum of activity

Bactericidal - fungicidal - tuberculocidal - effective against enveloped viruses including HBV and influenza virus as well as against rotavirus and FCV

Expert reports

Expert reports/test reports showing the efficacy against the following microorganisms are available:

- Vegetative bacteria and yeasts
- *Aspergillus niger*
- *Mycobacterium terrae*

Enveloped viruses:

- BVDV
- Vacciniavirus
- Influenza virus
- DHBV*

Non-enveloped viruses:

- Rotavirus
- FCV

as well as an expert report on the useful life of use solutions

*) In USA, since the year 2000, duck hepatitis B virus (DHBV) is being recommended to be used as a surrogate for testing disinfectants for their efficacy against the human hepatitis B virus (HBV). The German Robert Koch Institute (RKI) has announced that it will do the same.

Copies of expert reports are available upon request.

Ingredients

Active substances:

Didecyldimethyl-ammonium chloride 28 mg/g,
N-(3-aminopropyl)-N- dodecyl-propane-1,3-diamine 99 mg/g

Auxiliary ingredients:

Surfactants, solvents, scent, dye

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Recommended dosage

Routine- / standard use:	0.25%
In case of special requirements	see overview test results

Overview test results

Organism	Phase / Step	Conditions	5 min	15 min	30 min	60 min	240 min
S. aureus E. hirae P. aeruginosa C. albicans	2/1	Dirty	0.5	0.1	0.1	0.1	
		Clean	0.1	0.1	0.1	0.1	
	2/2	Dirty	2.0	0.5	0.5	0.25	
		Clean		1.0	0.5	0.25	
Aspergillus niger	2/1	Dirty				1.0	
		Clean				1.0	
Mycobacterium terrae	2/1	Dirty	1.0	0.5	0.25	0.25	
		Clean	0.5	0.25	0.1	0.1	
	2/2	Dirty	5.0	3.0	2.0	1.0	0.5
		Clean	4.0	2.0	1.0	1.0	0.5
BVDV	2/1	Dirty	0.25	0.25		0.25	
Vacciniavirus	2/1	Dirty	0.25	0.25		0.25	
DHBV	2/1	Dirty	0.5	0.5		0.25 ¹	
Rotavirus	2/1	Dirty	1.0	1.0		1.0 ²	0.5 ²
FCV	2/1	Dirty		0.5		0.25	
Influenza virus	2/1	Dirty	0.25	0.25		0.25	

1) RF > 3.81 log (no virus detectable)

2) 0.5% / 60 min clean conditions: RF = 3.42 log

Useful life of 0.5% non-contaminated use solution in hard water (WSH)

Carrier test (Phase 2 / Step 2) with high and with low organic load.

Life of solution		14 days			28 days		
Incubation time (Phase 2 / Stufe)		15 min	30 min	60 min	15 min	30 min	60 min
P. aeruginosa	High organic load	-	√	√	-	-	-
	Low organic load	-	-	√	-	-	-
C. albicans	High organic load	√	√	√	-	√	√
	Low organic load	-	√	√	-	-	√

√): RF > 5 (P. aeruginosa) and > 4 (C. albicans) respectively; (-): RF < 5 and < 4 respectively

Conclusion:

Non-contaminated use solutions of deconex SURFACE AF can be stored in a clean, closed container and used up to 14 days.

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Information on use

Before using deconex SURFACE AF for the first time, we recommend a prior cleaning with deconex 36 INTENSIV. This procedure is a must for synthetic materials, if an aldehyde containing product has been used before.

It is recommended to clean surfaces in regular intervals thereafter with the same product. The length of these intervals depends on the frequency of use of deconex SURFACE AF.

The product must take room temperature before use.

Material compatibility

Suitable for:
Floors: All floors

Synthetic materials: Polypropylene, polyethylene. Elastomeric materials, in particular silicone, are possibly subject to accelerated ageing

Metals: Aluminium, brass, copper, stainless steel

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

Chemical/physical data

pH	1% solution in tap water	approx. 9.6
Density	concentrate	1.0 g/ml
Appearance	concentrate	green, clear to slightly turbid

Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene. Dosing aids such as pumps, dispenser, measuring jugs etc. are available. Please ask for corresponding documents.

Additional information

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

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