HARTMANN

Leaves no residues.

Bacillol® AF

Aldehyde-free, alcohol-based rapid disinfectant for disinfecting alcohol-resistant surfaces.

Research for infection protection. www.bode-science-center.com

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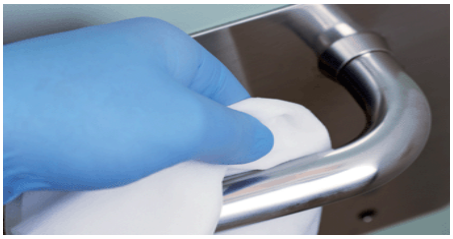
Surfaces

Bacillol® AF



Product properties

- ready-to-use disinfectant solution
- acts rapidly and comprehensively
- broad material compatibility with alcohol-resistant surfaces
- good wetting
- rapid and residue-free drying
- colourant and fragrance-free

Composition

Active ingredients: Propan-1-ol 450 mg/g, Propan-2-ol 250 mg/g, Ethanol 47 mg/g.

Microbiology

- bactericidal
- yeasticidal
- fungicidal
- tuberculocidal
- mycobactericidal
- virucidal against enveloped viruses (incl. HBV, HIV, HCV)
- MNV
- adeno-, polyoma- and rotaviruses

Areas of application

Bacillol® AF is suitable for the rapid disinfection of alcohol-resistant surfaces in the spray-wipe-procedure, where not only a rapid effect is required, but also residue-free drying, e.g.:

- for medical equipment that come under the Medical Device Directive (acc. to MDD)
- in hospitals and residential homes (acc. to BPD)
- in industrial kitchens and food-processing areas (acc. to BPD).

Directions for use

Wipe the surfaces to be disinfected, with a sufficient amount of ready-to-use solution, ensuring complete coverage. Not suitable for the disinfection of invasive medical devices.

- rapid disinfection of hard surfaces: concentrated 30 seconds exposure time

The amount of use-solution applied must not exceed 50 ml per m^2. The total amount applied per room must not exceed 100 ml per m^2 of room area. Special instructions in accordance with safety regulations for the prevention of fire and explosion caused by alcohol disinfectants issued by the professional association .Only the surfaces to be disinfected must be treated. Disinfection may only be begun when no combustible vapours or gases (e.g. petrol, ether) are present in the room. If electricity cannot be turned off at the mains, care must be taken to ensure that no switching processes, especially automatic switching processes, can take place. Hot surfaces must have cooled sufficiently. During spraying, the ventilation system (air conditioning) must be in operation, or ventilation must be ensured in some other way. Special notes: Not suitable for acrylic or Plexiglas® nor for alcohol-based lacquers. On delicate materials try resistance in an inconspicuous area first.

Do not allow product to reach water systems undiluted.

Use disinfectants safely. Always read the label and product information before use

Listing

- Certification/list issued by the Association for Applied Hygiene (VAH)
- List of disinfectants and disinfectant procedures tested and approved by the Robert Koch Institute (acc. to §18 IfSG) has been submitted (Area A)
- List issued by the German Veterinary Medical Society (DVG) for Food Hygiene
- CE-labelling in accordance with the Medical Device Directive (MDD)

Recommendations on spray/wipe disinfection

Inanimate surfaces have been shown to be a major source of contamination and infection (1). To eliminate surfaces that are small and difficult to access as source of contamination and infection, the wipe disinfection is ideally complemented by a spray/wipe disinfection or spray disinfection (2, 3, 4) with an alcohol-based rapid disinfectant. In doing so, it is imperative to apply the products correctly:

- Always prefer a wipe disinfection over the spray or spray/wipe disinfection, as it prevents the formation of aerosols and ensures best possible wetting
- When spraying, wipe afterwards, if possible, to ensure complete wetting (spray/wipe disinfection)
- Limit the simple spray disinfection to areas that cannot be disinfected by using the wipe or spray/wipe procedure
- To largely exclude the risk of inhaling aerosols during the spray disinfection, apply product directly to a dry cloth or spray surfaces from a short distance
- If possible, use alcohol-based products that contain no additives, as these dry without leaving any residue
- Another alternative are alcohol-based disinfection foams that do not form any aerosols during spraying

1 Weber DJ et al. Role of hospital surfaces in the transmission of emerging health care-associated pathogens: Norovirus, Clostridium difficile, and Acinetobacter species. American Journal of Infection Control, 2010, 38 (5): 25-33.

2 Verbund für Angewandte Hygiene e.V. Desinfektionsmittel-Kommission. Fragen und Antworten zu Maßnahmen der Antiseptik und der chemischen Desinfektion. www.vah-online.de, 2011.

3 Berufsgenossenschaftliche Regel: „Desinfektionsarbeiten im Gesundheitsdienst“ (BGR 206). www.bgw-online.de.

4 Technische Regeln für Gefahrstoffe (TRGS) 525 „Umgang mit Gefahrstoffen in Einrichtungen zur humanmedizinischen Versorgung“. www.baua.de.

Research for infection protection.

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Proven efficacy

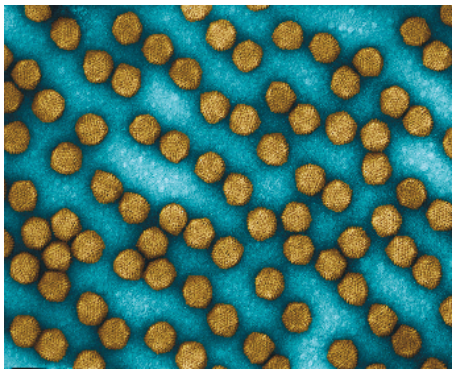
Bacteria and Fungi		
EN Phase 2 / Step 1 Efficacy according to EN Norm Phase 2 / Step 1 (suspension tests), tested under clean / dirty conditions	Bactericidal (EN 13727)	
	- dirty conditions	15 sec.
	Yeasticidal (EN 13624)	
	- dirty conditions	15 sec.
	Fungicidal (EN 13624)	
	- dirty conditions	5 min.
	Tuberculocidal (EN 14348)	
	- dirty conditions	30 sec.
	Mycobactericidal (EN 14348)	
	- dirty conditions	30 sec.
EN Phase 1 / Basic tests Efficacy according to EN Phase 1 (Basic tests / suspension tests) without contamination; does not define the applicability of a product for a specific purpose	Bactericidal (EN 1040)	1 min.
	Yeasticidal (EN 1275)	1 min.
	Fungicidal (EN 1275)	5 min.
VAH Certified application recommendations for prophylactic wet-wipe disinfection from the Association for Applied Hygiene (**VAH**). Based on suspension and practical tests, tested under clean conditions (i.e. optically clean surfaces) / dirty conditions (i.e. visibly contaminated surfaces)	Bactericidal/Yeasticidal	
	- dirty conditions	5 min.
	Fungicidal	
	- dirty conditions	5 min.
	Tuberculocidal	
	- dirty conditions	5 min.
	Mycobactericidal	
	- dirty conditions	5 min.
DGHM Rapid disinfection (in accordance with the German Society for Hygiene Microbiology [**DGHM**]); Based on suspension and practical tests; tested under clean / dirty conditions	Bactericidal/Yeasticidal	
	- dirty conditions	30 sec.
	Tuberculocidal	
	- dirty conditions	30 sec.
	Mycobactericidal	
	- dirty conditions	30 sec.
RKI Recognised substance for decontamination acc. to §18 IfSG (Robert Koch-Institut [**RKI**]) Area B – see „Viruses“	Area A - veg. Bacteria (incl. Mycobacteria), fungi and fungal spores.	15 min.
Viruses		
EN Phase 2 / Step 1 Efficacy according to EN Phase 2 / Step 1 (suspension tests), tested under clean / dirty conditions	Adenovirus (EN 14476)	
	- dirty conditions	30 sec.
Efficacy against viruses (German Society for the Control of Viral Diseases [**DVV**])	Virucidal against enveloped viruses (incl. HBV, HIV, HCV)	30 sec.
Appraised efficacy against non-enveloped viruses (**DVV**)	Adenovirus	1 min.
	Polyomavirus	10 min.
Appraised efficacy against non-enveloped viruses (in accordance with **DVV**)	Rotavirus	1 min.
Appraised efficacy against non-enveloped viruses (in accordance with **EN**)	MNV (EN 14476)	
	- clean conditions	1 min.
	- dirty conditions	1 min.
(Food) Industry		
EN Phase 2 / Step 2 Phase 2 / Step 1 Efficacy according to EN Norms (Phase 2 / 2 and Phase 2 / 1), tested under different conditions	Bactericidal (EN 13697 + EN 1276)	
	- low, high and milk contamination (4℃, 10℃ and 20℃)	5 min.
	Yeasticidal (EN 13697 + EN 1650)	
	- low, high and milk contamination (20 ℃)	5 min.
EN Phase 2 / Step 2 Efficacy according to EN Phase 2 / Step 2 (suspension tests), tested under different conditions	Bactericidal (EN 13697)	
	- low, high and milk contamination (4℃, 10℃ and 20℃)	5 min.
	Yeasticidal (EN 13697)	
	- low, high and milk contamination (20 ℃)	5 min.
EN Phase 2 / Step 1 Efficacy according to EN Phase 2 / Step 1 (suspension tests), tested under different conditions	Bactericidal (EN 1276)	
	- low, high and milk contamination (4℃, 10℃ and 20℃)	1 min.
	Yeasticidal (EN 1650)	
	- low, high and milk contamination (4℃, 10℃ and 20℃)	1 min.
	Fungicidal (EN 1650)	
	- low, high and milk contamination (20 ℃)	5 min.
Certified Efficacy for surface disinfection in the food sector of the German Veterinary Medical Society (**DVG**) bactericidal and fungicidal. Based on suspension tests, tested under the conditions for the application fields A + B	- less soiled (10 ℃ and 20 ℃)	30 min. 1 hr.
	- heavily soiled (10 ℃ and 20 ℃)	30 min. 1 hr.

Chemical-physical data

- Flash point (DIN 51755) 25 ℃
- Density (20 ℃) approx. 0.86 g/cm^3
- Refraction n_D^{20} approx. 1.38

Stability

After opening
- in tightly closed container: 12 months
- in BODE X-Wipes dispenser: 28 days



Presentation

50 ml bottle, 500 ml bottle, 1 litre bottle,
5 litre canister

Application aids on demand.

Note: The recommendations regarding our preparations are based on scientific tests and are given in good faith. More detailed recommendations, e.g. regarding material compatibility, are only possible in particular cases. Our recommenda-tions are without obligation and do not constitute a warranty. They do not preclude a company's own testing for the intended purposes and processes. In this respect we cannot accept any liability. This complies with our general conditions of sale and supply.

06/12

Supported by comprehensive proofs of efficacy and scientific-based research and development, our hygiene and disinfection products ensure best possible quality.
Research for infection protection. www.bode-science-center.com

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For more product information visit
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