

Kohrsolin[®] FF

Formaldehyde-free cleaning disinfectant with good performance characteristics and extensive spectrum of activity.



Kohrsolin® FF

Advantages at a glance

- broad spectrum of activity (incl. virucidal activity)
- effective against *Clostridium difficile*-spores
- good cleaning properties
- good material compatibility

Application

Kohrsolin FF is suitable for the prophylactic, cleaning wipe disinfection of all surfaces in areas relevant to hygiene. Also suitable for targeted disinfection measures requiring an extended spectrum of activity (e.g. virucidal activity).

Kohrsolin FF is a formaldehyde-free surface disinfectant-cleaner based on a synergistic combination of aldehydes and quaternary ammonium compounds.

Areas of application

Kohrsolin FF is suitable for the disinfectant cleaning of washable surfaces using wipe disinfection, for example:

- for medical equipment which come under the Medical Device Directive
- in hospitals and residential/nursing homes (acc. to BPR)

Directions for use

Kohrsolin FF is supplied as a concentrate. Completely wet the parts of medical devices and other washable surfaces (e.g. floors) with an adequate amount of solution. To remove disinfectant residue from sensitive plastic surfaces of medical devices, wipe surfaces with a cloth soaked in water (at least drinking water quality) after the exposure time.

Do not allow disinfection solution to get inside of electrical devices. Please observe the manufacturer's instructions.

Contact between aldehyde-based and amine-based products must be avoided. Therefore – especially if work has previously been carried out with an amine-based product – an intermediate cleaning must be carried out before using Kohrsolin FF for the first time.

Pay attention to an adequate ventilation when using the product. In badly ventilated rooms respiratory protection has to be worn.

Not suitable for the disinfection of invasive medical devices.

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

Material compatibility

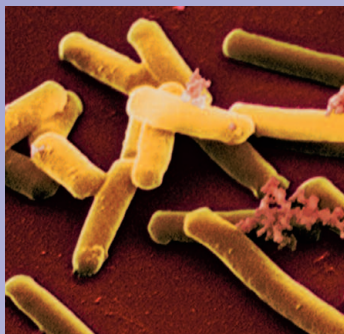
Kohrsolin FF use-solutions were tested on the following materials among others:

- Metals: Stainless steel (V2A), aluminium, copper, brass.
- Plastics: Acryl-butadiene-styrole, polyethylene, polypropylene, polystyrene, polyurethane, PVC, rubber, latex, Makrolon®, acrylic glass, Vivak® clear 099.

When used as directed (wet-wipe-procedure), no material damage is to be expected.



Disinfecting surfaces contaminated by *Clostridium difficile*



Clostridium difficile is known as most common cause of nosocomial diarrhoeal diseases.

The spore-forming *Clostridium difficile* is considered the most frequent elicitor of nosocomial diarrhoea associated with antibiotic treatment (CDAD).

The increasingly emerging ribotype 027 causes particularly severe infections. *C. difficile* spores can persist on inanimate surfaces for up to five months. A study (1) for the first time investigated the efficacy of three chlorine-free surface disinfectants against spores of *C. difficile* ribotype 027. One product was based on magnesium monoperoxyphthalate (MMPP)*, the other two contained aldehyde**. The suspension tests were carried out with different concentrations and contact times. All three surface disinfectant reduced the number of spores by > 4 log₁₀ steps and therefore are suitable for surface disinfection in case of outbreaks caused by *C. difficile* ribotype 027.

1 Horejsh D, Kampf G. Efficacy of three surface disinfectants against spores of *Clostridium difficile* ribotype 027. International Journal of Hygiene and Environmental Health 214 (2011) 172–174.

* Dismozon plus

** Kohrsolin extra, Kohrsolin FF



Kohrsolin® FF

Proven efficacy Condition Exposure time

Certified application recommendations for surface disinfection (based on suspension and practical tests)	Bactericidal / Yeastocidal activity	clean	5 ml/l	0.5 %	-	1 h
			10 ml/l	1.0 %	-	15 min
	dirty	7.5 ml/l	0.75 %	-	1 h	
		15 ml/l	1.5 %	-	15 min	
Efficacy against bacterial spores	<i>C. difficile</i> (ribotype 027)		20 ml/l	2.0 %	-	6 h
Efficacy according to EN Phase 2 / Step 1 (suspension tests)	virucidal (EN 14476)	clean	15 ml/l	1.5 %	-	30 min
		dirty	20 ml/l	2.0 %	-	2 h
			40 ml/l	4.0 %	-	1 h
	limited spectrum virucidal activity	clean	5 ml/l	0.5 %	-	30 min
			10 ml/l	1.0 %	-	15 min
		dirty	10 ml/l	1.0 %	-	30 min

Bacteria and Fungi

Efficacy according to EN Phase 2 / Step 1 (suspension tests)	Bactericidal activity (EN 13727)	clean	1 ml/l	0.1 %	-	15 min
	Yeastocidal activity (EN 13624)	clean	1 ml/l	0.1 %	-	15 min
			2.5 ml/l	0.25 %	-	5 min
		dirty	1 ml/l	0.1 %	-	30 min
	2.5 ml/l	0.25 %	-	5 min		

Viruses

Efficacy against viruses acc. to DVV (German Society for the Control of Viral Diseases)	active against enveloped viruses (incl. HBV, HIV, HCV)		5.0 ml/l	0.5 %	-	1 min
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Food / Industry

Efficacy according to EN Phase 2 / Step 1 (suspension tests)	Bactericidal (EN 1276)	low (20°C)	1 ml/l	0.1 %	-	5 min
			5 ml/l	0.5 %	-	1 min
		high (20°C)	5 ml/l	0.5 %	-	5 min
			7.5 ml/l	0.75 %	-	1 min
	Yeastocidal (EN 1650)	low (20°C)	2.5 ml/l	0.25 %	-	5 min
			10 ml/l	1.0 %	-	1 min
		high (20°C)	2.5 ml/l	0.25 %	-	5 min

Microbiology

- bactericidal
- yeastocidal
- virucidal against enveloped viruses (incl. HBV, HIV, HCV)
- limited spectrum virucidal activity
- virucidal

Composition

Active ingredients: Glutaral 50 mg/g, benzyl-C12-18-alkyldimethylammonium chloride 30 mg/g, didecyl-dimethylammonium chloride 30 mg/g

Related Products

- **Kohrsolin FF Tissues:** Aldehyde-based disinfection wipes for the prophylactic disinfection of surfaces.
- **BODE X-Wipes + Kohrsolin extra**
 - **BODE X-Wipes:** All-purpose fleece wipe dispenser system for all liquid HARTMANN surface disinfectants. Patented System solution: optimal active substance release during disinfection.
 - **Kohrsolin extra:** Modern aldehyde-containing cleaning surface disinfectant. Ideal for the daily prophylactic disinfection and final disinfection.



Product Presentation

Product	Content	Item no.
Kohrsolin® FF	40 ml	on request
	5 l	on request

Please note: that the availability of products in the Kohrsolin range may vary in different countries and regions. Contact your local distribution partner for more information. 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 possible only in separate, individual cases. Our recommendations are not binding and do not constitute a guarantee. They do not preclude a company's own testing for the intended purpose and process. In this respect we cannot accept any liability. This is in accordance with our general conditions of sale and supply.

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