

Product information

FD 312 surface disinfection



FD 312 at a glance

- Concentrate for cleaning and disinfection of surfaces on non-invasive medical devices and other surfaces in hospitals, private practices, and laboratories.
- Broad spectrum of activity: bactericidal, levurocidal, with limited virucidal activity (enveloped viruses, including HBV, HCV, and HIV as well as non-enveloped viruses, such as adenoviruses and noroviruses).
- Tested in accordance with current VAH methods and European standards.
- Tested in 4-field test in accordance with VAH and EN 16615.
- VAH list.
- Excellent material compatibility and pleasant odour.
- Economical due to its low application concentration.
- Aldehyde-free – its mechanism of action is based on quaternary ammonium cations.
- Especially recommended for use in combination with FD multi wipes/FD multi wipes compact.

Properties

FD 312 from Dürr System Hygiene is a highly effective, aldehyde-free product for cleaning and disinfection of surfaces on non-invasive medical devices and other surfaces in hospitals, private practices, and laboratories. FD 312 features excellent material compatibility and a pleasant odour. FD 312 is especially recommended for use with FD multi wipes/FD multi wipes compact.

Product composition

The FD 312 mechanism of action is based on quaternary ammonium cations. 100 g FD 312 contain 6.5 g alkyl-benzyl-dimethylammonium chloride, 5-15% nonionic surfactants, < 5% alkaline cleaning components, < 5% complexing agents, excipients, hexyl cinnamal, butylphenyl methylpropional, and linalool in aqueous solution.

Microbiological efficacy

FD 312 is bactericidal¹⁾, levurocidal¹⁾, with limited virucidal activity (enveloped viruses, including HBV, HCV, and HIV^{2), 3)} as well as non-enveloped viruses, such as adenoviruses¹⁾ and noroviruses¹⁾. VAH list. Tested in accordance with EN 13727, EN 13624, EN 16615, EN 14476.

Directions for use

The application concentration in accordance with VAH is 1% with an exposure time of 15 min or 2% with an exposure time of 5 min for fast application. We recommend using suitable wet-wipe procedures for wipe disinfection of large surfaces. Wipe surfaces of medical devices with a wet cloth. Follow the manufacturer's specifications, as applicable. Make sure to evenly wet the surfaces to be treated. Alternatively, soak FD multi wipes/FD multi wipes compact in FD 312 1-2% and use the same procedure. Make sure to wet surfaces completely. The FD multi wipes/FD multi wipes compact instructions for use include additional instructions.

Environmental impact

FD 312 is readily biodegradable in accordance with OECD Guideline 301 D. The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling, flush

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bottles with water. The safety data sheet includes disposal instructions for the concentrate.

Physical data

Concentrate:

Appearance: clear, green, low-viscosity liquid

Density: $D = 1.05 \pm 0.01 \text{ g/cm}^3$ (20°C)

pH: 12.8 ± 0.3

Working solution (1%):

Appearance: clear, light-green solution

pH: 9.5 ± 0.5

Shelf life

Concentrate: 4 years

Working solution: Unused solution 28 days, dispose of used solution following use.

Container size

2.5-L bottle

Storage

Store product at between 5°C and room temperature.

Accessories

FD multi wipes/FD multi wipes compact

General instructions

Wipe disinfection and cleaning must be performed daily in all areas where infections may originate or where protection against contamination is required. In the case of non-water-resistant materials, FD 312 must be tested for suitability on a case-by-case basis. FD 312 has been tested for material compatibility with common floor coverings (e.g. PVC; linoleum with PUR® reinforcement). FD 312 is suitable for floor cleaning and disinfection if the reinforcement surface is intact. Always follow the manufacturer's instructions carefully in the case of surfaces of unknown materials or test for compatibility in an inconspicuous place. Changes in product colour/odour may occur, especially when stored in sunlight. How-

Application	Concentration	Time
Surface disinfection (VAH methods)¹⁾	1%	15 min
	2%	5 min
Bacteria¹⁾ and yeasts¹⁾	1%	15 min
Vaccinia viruses incl. HBV, HCV, HIV^{2) 3)}	1%	60 min
	2%	15 min
Adenoviruses¹⁾	4%	30 min
Noroviruses¹⁾	4%	30 min

1) Testing at high burden (VAH, EN 13727, EN 13624, EN 16615, EN 14476).

2) Testing with and without burden in accordance with DVV/RKI guidelines.

3) In accordance with RKI statement (Federal Health Bulletin 60, 353-363, 2017).

ever, these changes in colour and/or odour have no impact on the disinfection efficacy of the product.

Hazard warnings

FD 312 is classified and labelled in accordance with the CLP Regulation: see product label and safety data sheet.

Independent expert opinions – in-house investigations

The expert opinions are available upon request.

Use disinfectants carefully. Always read the label and summary of product characteristics before use.

CE 0124

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