

Product information

FD 312 surface disinfection



FD 312 at a glance

- Concentrate for the cleaning and disinfection of surfaces on non-invasive medical devices in accordance with the EU Medical Devices Regulation (EU MDR) and medical furnishings as well as on floors in private practices, laboratories and hospitals in accordance with the EU Biocidal Products Regulation (EU BPR)
- Broad spectrum of activity: bactericidal, yeasticidal, limited spectrum of virucidal activity (enveloped viruses incl. HBV, HCV, HIV, coronaviruses as well as non-enveloped adenoviruses, noroviruses)
- Tested in accordance with current VAH methods and European standards. Virucidal activity against enveloped viruses in accordance with DVV/RKI guidelines
- Tested in 4-field test in accordance with VAH and EN 16615
- VAH list. IHO list of disinfectants
- Good material compatibility and pleasant fragrance
- Economical due to its low application concentration
- Aldehyde-free – its mechanism of action is based on quaternary ammonium compounds
- 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 concentrate for the cleaning and disinfection of surfaces on non-invasive medical devices in accordance with the EU Medical Devices Regulation (EU MDR) and medical furnishings as well as on floors in private practices, laboratories and hospitals in accordance with the EU Biocidal Products Regulation (EU BPR). FD 312 is gentle on materials. FD 312 is especially recommended for use in combination with FD multi wipes/FD multi wipes compact.

Product composition

The FD 312 mechanism of action is based on quaternary ammonium compounds. 100 g FD 312 contains 6.5 g alkyl benzyl dimethyl ammonium chloride, 5–15 g non-ionic surfactants, < 5 g alkaline cleaning components, < 5 g complexing agents, hexyl cinnamal, linalool, butylphenyl methylpropional, fragrances and excipients in aqueous solution.

Microbiological efficacy

FD 312 is bactericidal¹⁾, yeasticidal¹⁾, limited spectrum of virucidal activity (enveloped viruses incl. HBV, HCV and HIV^{2), 3)} as well as non-enveloped adenoviruses¹⁾, noroviruses¹⁾. FD 312 is included in the VAH list and IHO list of disinfectants. Virucidal activity against enveloped viruses in accordance with DVV/RKI guidelines. Tested in accordance with DVV/RKI guidelines, EN 13727, EN 13624, EN 14476, EN 16615.

Directions for use

FD 312 is used as a 1% to 4% solution. For a 1% solution, use the measuring cup in the cap to dose 100 mL of FD 312 (marking corresponds to 20 mL) and fill with water to 10 litres. Apply FD 312 working solution to a cloth and fully wet the surfaces. Wipe the surfaces and objects to be disinfected and allow the exposure time to elapse. Disinfect visibly contaminated surfaces with the working solution and remove contamination. Disinfect cleaned surfaces again. Make sure that wetting is complete throughout the entire exposure time. In accordance with VAH, the exposure time for a 1% and 2% solution is 15 and 5 minutes, respectively. Inactivation of viruses takes place at 1% - 60 minutes or at 2% -

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15 minutes (enveloped viruses) or at 4% - 30 minutes (adenoviruses, noroviruses). Alternatively, soak FD multi wipes/FD multi wipes compact in FD 312 (1%-4%) and use the same procedure.

Environmental impact

The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling, flush bottles with water.

For further information see safety data sheet.

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 disinfection and cleaning if the reinforce-

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

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

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

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

ment surface is intact. Do not mix FD 312 with other products. Follow the manufacturer's instructions in the case of surfaces made from unknown materials and/or test for compatibility in an inconspicuous place. Changes in product colour/odour may occur, especially when stored in sunlight. However, these changes in colour and/or odour have no impact on the disinfection efficacy of the product. Recycle cleaned packaging. Use exclusively by qualified personnel. All serious incidents that occur in association with the product must be immediately reported to the manufacturer and the competent authority of your member state.

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 product information leaflet before use.

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