

Product information

HD 410 hand disinfection



HD 410 at a glance

- Alcohol-based product for hygienic and surgical hand disinfection.
- Broad spectrum of activity: bactericidal, tuberculocidal, levurocidal, with limited virucidal activity (enveloped viruses, including HBV, HCV, and HIV as well as non-enveloped viruses, such as rotaviruses, adenoviruses, SV40 polyomaviruses, and noroviruses).
- Tested in accordance with current DGHM guidelines and European standards.
- VAH list.
- HD 410 has a limited virucidal activity in 15 seconds.
- Contains moisturisers and emollients.
- Clinically tested for skin compatibility.

Properties

HD 410 from Dürr System Hygiene is a fast-acting, alcohol-based product for hygienic and surgical hand disinfection that is applied by rubbing it into the hands. Moisturisers and emollients protect the hands, enabling HD 410 to be used on a regular basis. HD 410 may also be used to disinfect compatible protective gloves.

Product composition

HD 410 is based on a fast-acting combination of 2-propanol and 1-propanol and special components to moisturise and protect the skin. 100 g HD 410 contain 47 g 2-propanol and 26 g 1-propanol (active substances), < 0.5 g emollients, < 0.5 g dye and odourant in aqueous solution.

Microbiological efficacy

HD 410 is bactericidal¹⁾, tuberculocidal¹⁾, levurocidal¹⁾, with limited virucidal activity (enveloped viruses including HBV, HCV, and HIV^{2), 3)} and non-enveloped viruses, such as adenoviruses¹⁾, rotaviruses¹⁾, SV40 polyomaviruses¹⁾, noroviruses¹⁾). VAH list. Tested in accordance with EN 1500, EN 12791, EN 13727, EN 13624, EN 14348, EN 14476.

Directions for use

HD 410 is always applied undiluted. For hygienic hand disinfection, completely moisten dry hands with 3 mL HD 410 and leave it on for 15 seconds. For surgical hand disinfection, completely moisten previously cleaned and dried hands and forearms with HD 410 and continue to apply it for 1.5 minutes to keep the skin moist (at least 10 mL total). HD 410 is applied after each patient to ensure hygienic hand disinfection. Visibly soiled hands are then cleaned also. In cases of contamination with tuberculosis bacteria, enveloped viruses, including hepatitis B viruses, hepatitis C viruses, and HIV, and non-enveloped viruses, such as rotaviruses, SV40 polyomaviruses, adenoviruses or noroviruses, completely moisten the hands with HD 410 and continue to apply it for 15 seconds to 1.5 minutes to keep the skin moist (see table).

Environmental impact

HD 410 solutions are ecologically safe. All of the components of

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HD 410 are readily biodegradable in wastewater. The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling: Flush bottles with water. The safety data sheet includes disposal instructions.

Physical data

Appearance: clear, blue, low-viscosity liquid

Density: $D = 0.86 \pm 0.02 \text{ g/cm}^3$ (20°C)

pH: 6.0 ± 1.0

Flash point: 22 °C

Shelf life

4 years

12 months after opening.

Container sizes

10-L canister, 2.5-L bottle,

1000-mL bottle, 500-mL bottle

Storage

Store product at between 5°C and room temperature.

Accessories

Universal product dispensers S 400, L 400, L 1000 as well as Universal product dispensers Touchless T 400, T 1000 for 500-mL and 800/1000-mL bottles, Hygocare, Hygocare Plus for 500-mL bottles, pump dispenser, canister spigot

General instructions

Protective gloves must be tested for compatibility with alcohols on a case-by-case basis.

Hazard warnings

HD 410 is classified and labelled in accordance with the CLP

Regulation: see product label and safety data sheet.

Application	Time
Hygienic hand disinfection ¹⁾	15 sec
Surgical hand disinfection ¹⁾	1.5 min
Bacteria ¹⁾ and yeasts ¹⁾	15 sec
Tuberculosis bacteria ¹⁾	30 sec
Enveloped viruses including HBV, HCV, HIV ^{2), 3)}	15 sec
Rotaviruses ¹⁾	15 sec
SV40 polyomaviruses ¹⁾	1.5 min
Adenoviruses ¹⁾	1.5 min
Noroviruses ¹⁾	1.5 min

1) Testing at low burden (EN 1500, EN 12791, EN 13727, EN 13624, EN 14348, EN 14476).

2) Testing with and without burden.

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

Independent expert opinions – in-house investigations

The expert opinions are available upon request.

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

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