



D 10

Disinfectant for Suction Systems

Product Information

Area of application

D 10 is a highly-effective aldehyde-free concentrate for simultaneously disinfecting, cleaning and caring for suction systems in clinics, surgeries (e.g. ear, nose and throat specialists) or care homes. When used daily, D 10 ensures a trouble-free operation of the suction systems, both with regard to function and to hygiene. Another area of application is disinfection and cleaning of inhalators.

Advantages of the product

- Tested effectiveness with broad effective spectrum: bacteria, fungi and many viruses (virucidal with limited effectiveness against enveloped viruses, e.g. Vaccinia viruses, BVDV inclusive of HBV, HCV and HIV as well as non-enveloped viruses, e.g. Adeno viruses, noroviruses).
- VAH/DGHH list. Tested in accordance with EN 13727, EN 13624, EN 14348, EN 14562, EN 14563, EN 14476.
- Guarantees safe infection control.
- No foam formation when the product is sucked through.
- Economical due to low application concentration.
- Excellent cleaning activity – removes the most stubborn deposits.
- Excellent material compatibility.
- Toxicologically safe – does not contain any toxic ingredients.

Microbiological effectiveness

D 10 has the following characteristics of performance:

Application	Concentration	Time
Disinfecting suction systems	2%	1 hour
Bacteria and fungi ¹⁾	2%	5 min.
MRSA ²⁾	2%	5 min.
TB bacteria	2%	1 hour
Aspergillus niger	2%	1 hour
Vaccinia viruses, BVDV inclusive of HBV, HCV and HIV ³⁾	2%	10 min.
Adeno viruses	2%	30 min.
Noroviruses ⁴⁾	2%	15 min.

¹⁾ Test for *Candida albicans*.

²⁾ Effectiveness against bacteria implies effectiveness against MRSA.

³⁾ In accordance with RKI recommendations (Bundesgesundheitsbl. 47, 62 – 66, 2004).

⁴⁾ Test for the surrogate virus FCV.

Application

D 10 is used as a 2% solution for 60 minutes for comprehensive disinfection. To make 1 litre of ready-to-use solution, pour 20 ml of D 10 out of the container using the measuring beaker/dosing head and fill up to 1 litre with water.

Fill 10 to max. 20 ml of D 10 concentrate into the receiving tank of the suction system before use. Suck a small quantity of D 10 ready-to-use solution through the system between two applications. Empty the receiving tank after use (e.g. in the evening) and put all contaminated parts (receiving tank, tubings, lids, etc.) into the D 10 ready-to-use solution. Observe the contact time. Afterwards, rinse with water. To disinfect the surfaces of the suction system, we recommend wipe disinfection with a D 10 ready-to-use solution or disinfection wipes, e.g. B 60, if the surfaces are resistant to alcohols. Observe the directions for use from the device's manufacturer.

Use a 2% solution of D 10 for disinfecting inhalators according to the directions for use from the device's manufacturer.

Do not mix D 10 with other disinfectants or cleansing agents.

Chemical composition

D 10 is based on a combination of quaternary ammonium compounds, alkaline cleansing agents, complexing agents, special antifoaming agents and adjuvants in aqueous solution. 100 g D 10 contains: 4.4 g dimethyl-dioctyl-ammonium chloride and 0.6 g benzyl-dimethyl-dodecyl-ammonium chloride.

Packing units

10-litre container

Carton of 2 1-litre bottles

Carton of 6 1-litre bottles

Accessories

Container tap, 100-ml measuring beaker, dosing head for 1-litre bottle, dosing bottle.

Shelf life

Concentrate: 3 years

Ready-to-use solution: 1 day

Please turn over

Storage • Physical properties • Toxicology • Ecology • Caution

orochemie

orochemie GmbH + Co. KG • Max-Planck-Straße 27 • D-70806 Kornwestheim
Phone +49 7154 1308-0 • Fax +49 0 7154 1308-40
info@orochemie.de • www.orochemie.de



Storage

Store preparation in a cool place, but not below 5°C.

Physical properties

Concentrate:

Appearance: clear, yellow liquid
Density: $D = 1.04 \pm 0.02 \text{ g/cm}^3$ (20°C)
pH value: 12.8 ± 0.3

2% ready-to-use solution:

Appearance: colourless solution
pH value: 10.5 ± 0.5

Toxicology

The acute oral toxicity (LD_{50}) for D 10 concentrate in rats is $> 2400 \text{ mg/kg}$ of body weight. The acute dermal toxicity (LD_{50}) in rats is $> 2000 \text{ mg/kg}$ of body weight. D 10 is therefore classified as "non-toxic". Contact of the 2% ready-to-use solution with the eyes or with the skin does not cause skin irritations.

Ecology

D 10 is easily biodegradable according to OECD guideline 301 D. The packing is made of polyethylene and can therefore be exploited both materially and thermally. To recycle, rinse the containers or bottles with water.

Caution

D 10 concentrate is classified as "irritant" in accordance with the Directives relating to the classification, packaging and labelling of dangerous substances and preparations (R 38-41, S 26-28-37/39, see MSDS).

CE 0124

The information on our products is based on detailed internal and external scientific examinations, and recommendations are given to the best of our knowledge. Liability is being judged in accordance with our General Terms of Sale and Delivery which are available at any time upon request.

Complimentary products from oro[®] Hygienesystem

Instrument disinfection • Disinfection of surfaces and inventory • Disinfection and care of hands and skin • Disinfection of special applications • Accessories

Information as of 01/10