

Mikroclean Plus D

Concentrate for disinfection of suction units

VAH certificate
of efficacy

Product description

Mikroclean Plus D is a concentrate for the disinfection of suction units. The product contains quarternary ammonium compounds and is free of aldehydes and phenols.

Due to the daily aspiration of organic and inorganic substances, there is a risk that these substances deposit in the tubes and filters of the suction unit and become a source of infection for dentist and personnel. Therefore, a disinfection on a regular basis is recommended.

Area of application

Mikroclean Plus D is applied for the preparation of a working solution for the daily disinfection of dental suction units. It is suitable for the disinfection of dental suction units with and without amalgam separator.

Special advice

Application only by qualified personnel.

Report serious incidents related to this product to the manufacturer and the competent authorities.

Do not pour concentrate that has been removed back into the original container.

Do not mix with additives or other products.

Do not exceed a contact time of over 48 hours.

Storage advice

Store between 5 and 25°C. Keep only in original container. Store in a well-ventilated place. Store in an upright position. Keep away from food, drink and animal feeding stuffs. See safety datasheet for further advice.

Application

At least 1-2 times daily after work:

- 1) Put on protective clothing and rinse the suction unit with 1 litre of clear water to ensure a smooth disinfection procedure.
- 2) Freshly prepare 1 litre of working solution for each suction unit in a clean dosing container. Example for a 3 % working solution: Provide 970 ml water (approx. 20°C), add 30 ml concentrate and mix.
- 3) Suck working solution through the suction unit (via the rinsing bowl if applicable).
- 4) After the contact time has elapsed: Rinse the suction unit thoroughly with at least 1 litre of water (approx. 20°C) to flush out the dissolved contaminations.

See page 2 for efficacy spectrum and material compatibility.

Shelf life and expiry date

Prepare the working solution freshly prior to each disinfection.

Do not use the product after the expiry date indicated on the product label.

Composition

100 g concentrate contain:

13.2 g 2-Amino ethanol, 4 g Benzalkonium chloride, 5 g 2-Propanol, as well as chelating agent, anti-foaming agent, colouring agent

Certificates

Listed on the VAH (German Association of Applied Hygiene) list of disinfectants in the section suction unit disinfection („Absauganlagendesinfektion“)

CE 0123 MD IIa



PLIWA Hygiene GmbH

Pliwastraße 2
34323 Malsfeld, Germany
www.pliwa.de

Tel. +49 5661 / 73 17 0
Fax +49 5661 / 73 17 10
info@pliwa.de

Version: 04.01.2022

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Efficacy spectrum

Efficacy (at room temperature)	Standard	Conc.	Contact time
Bacteria			
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> (dirty conditions)	Standard methods VAH	1.5 %	15 min
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> (dirty conditions)	EN 13727	1.5 %	15 min
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> , <i>E. coli</i> (dirty conditions*)	EN 13697	3.0 %	30 min
Mycobacteria/TB			
<i>M. terrae</i> , <i>M. avium</i> (dirty conditions)	EN 14348	3.0 %	30 min
Yeasts			
<i>C. albicans</i> (dirty conditions)	Standard methods VAH	1.5 %	15 min
<i>C. albicans</i> (dirty conditions)	EN 13624	3.0 %	30 min
<i>C. albicans</i> (dirty conditions*)	EN 13697	3.0 %	30 min
Viruses			
MVA Modified Vacciniavirus Ankara (dirty conditions)	EN 14476	2.0 %	1 min
Adenovirus Typ 5 (dirty conditions), MNV murine Norovirus (clean conditions)		2.0 %	30 min
		3.0 %	15 min
Human Rotavirus (without protein load)		3.0 %	15 min

*dirty conditions according to EN 13697:2015-06 Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas.

Material compatibility

The material compatibility according to EN ISO 175:2015 + DIN 50905:1987 has been proven for

Metal	Copper, brass, stainless steel
Plastics	PVC, Polysulfone
Ceramic	Ceramic
Rubber	Natural rubber, EPDM, Silicone

Upon compliance to the intended use and the indicated contact time, no material damage is to be expected with the above mentioned materials.

Avoid prolonged contact of over 48 h with polycarbonate or aluminium. Test material compatibility for polyacrylates, polycarbonates as well as not mentioned materials.

Chemical/physical parameters

appearance: clear, yellow
pH-value: 12.0 – 13.0
density (20 °C): 0.950 – 1.050 g/cm³

Labelling according to Regulation (EC) No 1272/2008 (CLP)

For information on labelling according to Regulation (EC) No 1272/2008 (CLP) see safety datasheet and label.

Expert opinions & further information

The efficacy of the chemical composition of Mikroclean plus D has been assessed by independent laboratories. For further details concerning expert opinions, informations on products and answers to specific questions contact us by e-mail (info@pliwa.de) or telephone (+49 5661 73170).

The manufacturer has a manufacturer's authorisation as per §13 German medicines act as well as a GMP- and an EN ISO 13485 certificate.

Ordering information (product with German label)

Single package	REF
1 Liter dosing bottle	10-0011
1 Liter cylinder bottle	10-0011-1
2 Liter bottle with handle	10-0012
5 Liter canister	10-0013
10 Liter canister	10-0014

Application aids for canisters

Dosing pump	50006
Drainage tap	50009

