

Instruction for use

deconex® ALKAMILD

Mildly alkaline concentrated cleaner

For gentle, mildly alkaline reprocessing of sensitive surgical instruments and containers made from colour-anodised aluminum and titanium in washer-disinfectors (WD)



Scope of application

deconex® ALKAMILD has been specially developed for gentle automated reprocessing of sensitive surgical instruments, utensils and transport containers made of colour-anodised aluminum or titanium. If fully demineralised water (DI-water) is used, this mildly alkaline product has a washing pH value > 10 and therefore meets the RKI recommendations.

Properties

deconex® ALKAMILD contains no corrosive substances such as caustic alkalis or chlorine and is thus gentle on even the most sensitive materials such as aluminum, colour-anodised aluminum, titanium, brass, copper, zinc or tin. deconex® ALKAMILD is also free from materials that could be harmful to health or the environment, such as EDTA and NTA, and potentially allergenic scents and colourants. deconex® ALKAMILD is also surfactant-free and it offers outstanding residue-free rinsability.

Application and dosage

Recommended dose

deconex® ALKAMILD is designed for use in washer-disinfectors (WD) at temperatures between 55-90 °C. For optimal cleaning results with a pH value > 10, deconex® ALKAMILD should be used with fully demineralised water (DI-water).

Dosage	soft water ¹⁾	medium-hard water ¹⁾	hard water ²⁾	washing temperature
deconex® ALKAMILD	5 ml/l	7 ml/l	10 ml/l	55-90 °C (WD)

¹⁾ and normal level of soil

²⁾ and considerable or stubborn soil

The cleaning power of deconex® ALKAMILD has a good cleaning performance for a mildly alkaline and surfactant-free cleaner for various organic contaminants, and it also has good emulsifying and dispersing power for loosened particles of dirt.

Special features of deconex® ALKAMILD:

- gentle cleaning action
- outstanding material compatibility
- pH > 10 (RKI conformity)
- no neutralisation necessary
- residue-free rinsability
- completely foam-free
- chlorine-free
- EDTA-free
- NTA-free
- free from scent
- free from colourants
- biodegradable

Recommended process

As a mildly alkaline 1-component detergent, deconex® ALKAMILD should ideally be used at a cleaning temperature of 70-80 °C. The cleaning duration is 5-10 min depending on the type of soil, level of dirt, the quality of the water used and the dosage. (See information below and in the process diagram).

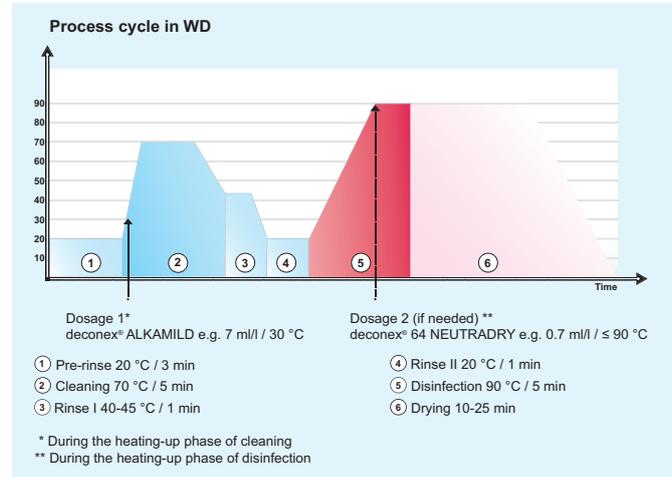
In addition to its normal use as a mildly alkaline 1-component detergent, deconex® ALKAMILD can also be used as a mildly alkaline component in a 2-component cleaning system with deconex® TWIN ZYME-z for greatly reduced dosage and a cleaning temperature of 45-55 °C.

Typical WD process

A typical cleaning and disinfection program using deconex® ALKAMILD is shown below:

1. Pre-rinse: with cold tap water, 3 min
2. Cleaning: with DI- / RO-water, dose deconex® ALKAMILD at 30 °C, clean at 70 °C for 10 min
3. Intermediate rinse I: with warm (40-45 °C) tap water, 1 min
4. Intermediate rinse II: with DI- / RO-water, 1 min
5. Thermal disinfection: with DI- / RO-water, e.g. 5 min at 90 °C, if applicable dosage of deconex® 64 NEUTRADRY as drying aid at 90 °C
6. Drying: 10-25 min

WD process diagram



Storage

Store the product at temperatures between 5 and 25 °C.

Safety information

Please refer to deconex® ALKAMILD safety data sheets for information about industrial safety and proper disposal.

Manufacturer:

Borer Chemie AG

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All information provided is based on our current knowledge and it does not constitute a legally binding assurance of specific product properties.

Product data sheet

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Ingredients

Alkali dispensers
Complexing agents
Corrosion inhibitors

Material compatibility

deconex® ALKAMILD contains no chloractive materials, and no KOH or NaOH, so it offers outstanding material compatibility. Neutralization is not required.

Suitable for:

Stainless steel, aluminum, color anodised aluminum, titanium, copper, brass, and all commonly used plastics, silicon, Teflon, rubber, latex, zinc and tin. No known material incompatibility.

The user should conduct appropriate compatibility tests for materials not mentioned here or contact Borer Chemie AG.

Concentrate:

Please request the separate information sheet for compatibility with transport and peristaltic hoses.

Expert reports

deconex® ALKAMILD has been checked for cytotoxicity in accordance with EN ISO 10993. Expert reports are available upon request.

CE marking

deconex® ALKAMILD satisfies the requirements for medical devices in accordance with the directive 93/42/EEC.

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Physicochemical data

pH Value	0.5 % solution with demineralised (DI) water	approx. 10.8
Density	concentrate	1.18 g/ml
Appearance	concentrate	clear, colourless to slightly yellow

Packaging

The containers, seals and labels are made of recyclable polyethylene.

Container sizes

Type of container	Container content
5 l canister	5 kg
10 l canister	10 kg
25 l canister	28 kg
220 l barrel	220 kg

Additional information

Before using the product please read the instructions for use and the relevant safety data sheet.

Benefit from our know-how! Please contact us for further information about your specific application.

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