

deconex[®] 21 LIQ

Mildly alkaline special cleaning concentrate

For automated application in laboratories and for reprocessing of medical devices.
With active chlorine, liquid.



Application

deconex 21 LIQ is universally applied in chemical, biological, medical, pharmaceutical and alimentary laboratories to remove organic and inorganic residues and contamination from glassware and other reusable laboratory material.

Moreover, deconex 21 LIQ is also used as a special cleaning agent for the reprocessing of stubbornly soiled medical instruments.

Properties

deconex 21 LIQ is a gentle but strong cleaner. The oxidative

effect of active chlorine accelerates the removal of firmly adhering soil. Various residues on laboratory glassware, excrement residues on animal cages, oils and fats are equally well cleaned off as encrusted blood and dried mucous on medical instruments.

Ingredients

Alkalis, complexing agents, sequestering agents, inorganic chlorine donor

Dosage

The optimum dosage depends mainly on the hardness of the water and the nature of the contamination. In principle, the use of softened feedwater improves the cleaning results. Consequently, the dosage can be reduced.

In practice, the following dosage has given good results:

Dosage	in softened water	in hard water
deconex 21 LIQ	3-5 ml/l	5-10 ml/l

At a temperature of 60 °C, the cleaning period is 2-10 min, depending on soiling.

Information on use

Generally, an increase of the temperature leads to a reduction of the cleaning process time. According to a rule of thumb, raising the temperature by 10 °C, cuts the cleaning process time in half, and vice versa.

Further, we recommend you:

- a proper loading of washing goods (avoid overloading) and
- the use of DI or at least softened water for final rinsing.

Neutralization

For neutralization of alkaline residues, an acidic rinse should always follow the cleaning steps. We recommend the use of the neutralizers deconex 25 ORGANACID, deconex 26 MINERALACID or deconex 26 PLUS in combination with deconex 21 LIQ. Please ask for the corresponding data sheet.

deconex® 21 LIQ

Material compatibility

Suitable for:

Laboratory glass, ceramics, stainless steel, aluminium, PVC, PP, PE (hard), Teflon, Viton

Not suitable for:

Non-ferrous metals and zinc

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

Chemical/physical data

pH	1% solution in demineralized water	approx. 11.5
Density	concentrate	1.30 g/ml
Appearance	concentrate	transparent, colourless to slightly yellowish
Titrate procedure	with 0.1 n hydrochloric acid	indicator: phenolphthalein
Consumption of 0.1 n hydrochloric acid	for 100 ml fresh washing fleet	14.7 ml/1% (w/w) of concentrate

Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

Additional information

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.



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