

deconex® 11 UNIVERSAL eco

Alkaline cleaning concentrate for laboratory glassware - phosphate- and chlorine-free, non-foaming

Suitable for soaking baths, pipette washers and ultrasonic cleaning equipment



Application

deconex® 11 UNIVERSAL eco is a liquid, alkaline, phosphate- and chlorine-free concentrate for cleaning and decontaminating all types of laboratory utensils, in particular laboratory glassware. The cleaner is universally applicable in research and development laboratories, testing, analysis and quality control laboratories, clinical laboratories and in production laboratories in various branches of industry.

deconex® 11 UNIVERSAL eco can be used as an ecological substitute for chromosulfuric acid.

deconex® 11 UNIVERSAL eco is particularly suitable for the precleaning of laboratory glassware prior to automated cleaning. A direct transfer of laboratory glassware from the precleaning to the laboratory washer is possible without any problems and without intermediate rinsing.

Properties

deconex® 11 UNIVERSAL eco exhibits a wide cleaning spectrum due to its composition. This gives the product a high and rapid capacity to remove even the stubborn contaminants, such as baked-on fats, oils, waxes, dried blood, proteins, residues of culture media, pen markings, pigments, traces of organic and inorganic materials and silicones.

The phosphate-free based product can also be universally used for phosphate-critical applications in manual cleaning. Borer Chemie AG also offers suitable phosphate-free automated cleaning processes.

Ingredients

Alkalis, complexing agents, surfactants, solubilizer

Dosage

The optimum dosage depends mainly on the type and degree of contamination, the cleaning equipment used and the cleaning process. The use of deionised water improves the cleaning properties and reduces the required amount of cleaner.

In practice, the following dosage has given good results:

Cleaning	Concentration	Temperature	Exposure time
Soaking bath	20-50 mL/L	20-30 °C	2-8 h, if necessary overnight
Ultrasonic bath	20-30 mL/L	50-70 °C	up to 15 min

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Instructions for use

Increasing the bath temperature accelerates the cleaning process. The use of ultrasonic bath reduces the cleaning time to a few minutes.

Material compatibility

Suitable for:
Borosilicate glass 3.3, Duran®, quartz glass, porcelain, stainless steel, polyethylene (HDPE), polypropylene (PP), Teflon (PTFE)

Not suitable for:

Aluminium, anodized aluminium, polycarbonate (PC) and other materials sensitive to alkali and surfactants.

For materials not mentioned above we recommend specific compatibility testing, or please consult Borer Chemie AG.

Chemical / physical data

pH value	1 g / 100 g in DI-water	approx. 12.0
Density	concentrate	1.12 g/mL
Appearance	concentrate	clear, colourless to yellow

Availability

Please ask your local representative about available container sizes.

Additional information

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

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

Benefit from our expertise! Please contact us for practical information regarding your specific application.

deconex® products for the highest demands

deconex® products have been specially developed for the residue-free cleaning.

Our products and services allow a customised, optimally adapted and effective process.

Request more information by e-mail to: lifesciences@borer.ch

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