

deconex® 15 PF-x

Alkaline cleaning concentrate for laboratory glassware - phosphate-free

Suitable for soaking baths and ultrasonic cleaning
equipment



Application

deconex 15 PF-x is an alkaline, liquid concentrate for the targeted or universal phosphate-free cleaning and decontamination of laboratory glassware. The product is used specifically in phosphate-critical cleaning applications, especially in routine analysis in environmental and water laboratories.

Alternatively, deconex 15 PF-x can also be universally used for example in the chemical and pharmaceutical industries, in the cosmetic and food industries as well as in universities. The product is also suitable for pipette washers.

Properties

Due to its composition, deconex 15 PF-x has a wide cleaning spectrum and is therefore able to remove stubborn contaminants such as baked-on fats and oils, dried blood, proteins and baked-on residues of cell media from previous sterilization.

Dosage

The optimum dosage depends mainly on how difficult it is to remove the contaminants.

In practice, the following dosage has given good results:

Cleaning	Concentration	Temperature	Exposure time
Normal	1-2 %	20-30 °C	1-2 h
Intensive	2-5 %	20-30 °C	6-12 h
Fast ¹⁾	2-3 %	50-70 °C	5-15 min

¹⁾ with ultrasonic cleaner

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

The surfactants used ensure excellent wetting of the glassware and can be easily rinsed. The combination of surfactants with the alkalis and the complexing agents removes the contaminants and prevents them from being redeposited on the glassware.

This detergent exhibits a high uptake capacity for contaminants and pH-stability for use over several days.

deconex 15 PF-x can be used with hard water and is easily biodegradable.

Ingredients

Alkalis, complexing agents, surfactants, solubilizer

deconex® 15 PF-x

Material compatibility

Suitable for:
Borosilicate glass 3.3, Duran®, quartz glass, porcelain, stainless steel, chrome nickel steel, polyethylene, polypropylene, Teflon®, silicone rubber, natural rubber

Not suitable for:
Aluminium, zinc, tin

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

Chemical/physical data

pH-value	1% solution in demineralized water	approx. 11.9
Density	concentrate	1.10 g/ml
Appearance	concentrate	clear, colourless to slightly yellowish

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.

Manufacturer:

Borer Chemie AG

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