

deconex® 12 BASIC

Mildly alkaline cleaning concentrate for laboratory glassware

Suitable for soaking baths and ultrasonic cleaning equipment



Application

deconex® 12 BASIC is a mildly alkaline, liquid concentrate for the universal cleaning and decontamination of laboratory glassware. The product can be used in all industries that use laboratory glassware such as in the chemical and pharmaceutical industries, the cosmetic and food industries and in universities and service laboratories. deconex® 12 BASIC is also a substitute for chromic acid.

Properties

Based on its composition, deconex® 12 BASIC exhibits a wide cleaning spectrum and high swelling power for stubborn contaminants such as baked-on fats and oils, dried blood, proteins and remains of culture media and distillation residues. The surfactants used completely wet the glassware and have excellent rinsing properties.

The combination of surfactants with the alkalis and complexing agents removes the contaminants and effectively prevents them from being redeposited on the glassware. The highly concentrated product has a high uptake capacity for contaminants and high pH-stability and is intended for use over a period of up to two weeks.

deconex® 12 BASIC is compatible with hard water and easily biodegradable.

Ingredients

Alkalis, complexing agents, dispersing agents, surfactants

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 ¹⁾	2-5 %	20-30 °C	6-12 h
Fast ^{1) 2)}	2-3 %	50-70 °C	5-15 min

¹⁾ incl. radioactive decontamination

²⁾ with ultrasonic cleaner

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

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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	1% solution in demineralized water	approx. 11.8
Density	concentrate	1.41 g/mL
Appearance	concentrate	clear, slightly yellowish liquid

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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