

# deconex® 11 UNIVERSAL

**Mildly alkaline cleaning concentrate for laboratory glassware - with activated chlorine**

Suitable for soaking baths and ultrasonic cleaning equipment



## Application

deconex® 11 UNIVERSAL is a mildly alkaline, liquid concentrate for the cleaning and decontamination of laboratory glassware. The product can be universally used in different sectors of the chemical industry as well as in routine analysis and medical diagnostics. deconex® 11 UNIVERSAL is an excellent substitute for chromic acid.

## Properties

deconex® 11 UNIVERSAL exhibits a wide cleaning spectrum due to its composition. This allows even stubborn contaminants to be removed 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 surfactants used result in excellent wetting of glassware and at the same time can be rinsed without residue. The combination of surfactants with the alkalis and activated chlorine removes the contaminants and prevents them from being redeposited on the glassware. The easily biodegradable product is pH-buffered and intended for use over a period of several days.

## Ingredients

Alkalis, surfactants, inorganic chlorine carrier

## Dosage

The optimum dosage depends mainly on how difficult it is to remove the contaminants. The cleaning solution must be prepared with either softened or demineralized water.

In practice, the following dosage has given good results:

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

<sup>1)</sup> incl. radioactive decontamination

<sup>2)</sup> 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	1.10 g/mL
Appearance	concentrate	white emulsion

## 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

Gewerbestrasse 13, 4528 Zuchwil / Switzerland  
Tel +41 32 686 56 00 Fax +41 32 686 56 90  
office@borer.ch, www.borer.ch

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