

# deconex® 12 PA-x

**High performance cleaning concentrate  
for use in research, medicine, biology  
and chemistry as well as for optical and  
electronic components**

For soaking baths and ultrasonic cleaning systems



## Application

deconex 12 PA-x is a liquid, mildly alkaline yet highly efficient concentrate for the spontaneous cleaning and decontamination of delicate laboratory equipment and as well of optical and electronic components (e. g. semiconductors) out of glass, quartz, porcelain, metal etc.

## Properties

deconex 12 PA-x removes the most stubborn dirt such as burnt-in grease, oil, wax, dried-on blood, proteins, residues of cell cultures or paint, pigments, organic and inorganic traces as well as silicone.

## Dosage

The optimum dosage depends mainly on the hardness of the water and the stubbornness of the contamination. Using demineralized water improves the cleaning properties.

In practice, the following dosages have given good results:

Procedure	Dosage	Temperature	Exposure time
Normal	0.5-1.0 %	20-30 °C	1-2 h
Intensive	2.0-4.0 %	20-30 °C	6-12 h
Fast*	2.0-5.0 %	40-70 °C	2-5 min

\* with ultrasonic cleaner

The cleaning procedure is accelerated by raising the temperature of the solution. The time necessary is roughly halved for each increase of 10 °C.

deconex 12 PA-x considerably reduces the surface tension of the cleaning solution and, because of its wetting performance, removes dirt easily. The excellent emulsifying and dispersing capabilities prevent removed particles from being redeposited. Special surfactants guarantee excellent rinsability of the cleaned surface. Instead of etching and corrosive substances such as caustic alkalis and chlorine, mild cleaning enhancers have been used to make the product safe for materials.

deconex 12 PA-x is NTA-free.

## Ingredients

Alkalis, complexing agents, dispersing agent, solubiliser, surface active compounds, wetting agent

# deconex® 12 PA-x

## Material compatibility

Suitable for:  
Lead crystal, steel, glass, rubber, ceramic, porcelain, quartz,  
chrome steel, PE, PP, PVC, PTFE, Viton, NBR

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

## Chemical/physical data

pH	1 %	approx. 11.7
Density	concentrate	1.42 g/ml
Appearance	concentrate	light 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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