

# deconex® 22 PF

## Alkaline special cleaning powder

For automated application in instrument reprocessing and in laboratories. Free of chlorine and phosphate, powdered.



### Application

deconex 22 PF is used in the central sterile supply for automated reprocessing of surgical instruments and ward utensils, including:

- stainless steel instruments (scalpels, tweezers etc.)
- articulated instruments (scissors, clamps etc.) and
- ward utensils (bowls, feeding bottles etc.)

deconex 22 PF is also universally used in laboratories for the removal of organic and inorganic residues and contamination from laboratory glass and reusable laboratory material.

deconex 22 PF is being applied in:

- chemical laboratories
- biological laboratories
- medical laboratories
- pharmaceutical industries and
- food-industries

### Properties

deconex 22 PF has the following properties. It is

- alkaline,
- free of phosphate
- free of chlorine
- free of surfactants and
- powdered

deconex 22 PF is a powdered, phosphate- and chlorine-free special cleaner. It has been developed for a wide range of

### Dosage

The optimum dosage depends mainly on the hardness of the water and the nature of the contamination. In principle, the use of softened feedwater improves the cleaning results. Consequently, the dosage can be reduced.

In practice, the following dosage has given good results:

Dosage	in softened water	in hard water
deconex 22 PF	2-3 g/l	3-5 g/l

The cleaning time is 2-5 min at a temperature of 60 °C.

automated applications. The product has excellent dirt-removing properties. It even removes dried-on contamination very effectively. Due to its excellent dispersing properties, it very efficiently prevents the reprecipitation of removed contamination onto cleaned parts.

In instrument reprocessing, deconex 22 PF removes:

- blood
- tissue-residues and
- proteins

Also in case of heavy contamination.

The completely residue-free cleaning of laboratory glass and reusable material is an important prerequisite for the successful application of a cleaner in analytical-, synthesis- and cell culture-laboratories.

deconex 22 PF is suitable for removing most different kinds of contamination, e.g.:

- analysis-residues
- dried synthesis-residues like polymers or organic agents
- organic and inorganic salts
- greases
- oils and
- pigments

### Ingredients

Alkalis, complexing agents, corrosion inhibitor

## Information on use

Generally, an increase of the temperature leads to a reduction of the cleaning process time. According to a rule of thumb, raising the temperature by 10 °C, cuts the cleaning process time in half, and vice versa.

We recommend you:

- a proper loading of washing goods in racks and machines (avoid overloading)
- to ensure all washing goods come into contact with the cleaning solution during the process
- to open all instruments with hinges and articulations and
- to use demineralized water for final rinsing

## Neutralization

For neutralization of alkaline residues, an acidic rinse should always follow the cleaning steps. We recommend the use of the

neutralizers deconex 26 MINERALACID, deconex 26 PLUS or deconex 25 ORGANACID in combination with deconex 22 PF. Please ask for the corresponding data sheets.

## Material compatibility

Suitable for:

Stainless steel, laboratory glass, ceramics, synthetic materials

Not suitable for:

Aluminium, anodised aluminium, zinc, non-ferrous metals, rubber and latex

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. 11.7 - 12.7
Appearance		white powder
Titrate procedure	with 0.1 n hydrochloric acid	indicator: phenolphthalein
Consumption of 0.1 n hydrochloric acid	for 100 ml fresh washing fleet	85 ml/1% (w/w) of powder

## 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.



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## Manufacturer:

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