

deconex® 22 PF

Alkaline cleaning powder

For automated cleaning in laboratories.
Free of chlorine and phosphate, in powder form.



Application

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

deconex 22 PF is suitable for:

- chemical laboratories
- microbiological laboratories
- medical laboratories

for daily use in research and development but also in pharmaceutical industries and food industries

Properties

deconex 22 PF is:

- free of NTA
- alkaline
- free of phosphate
- free of chlorine
- free of surfactants and
- in powder form

deconex 22 PF is a special cleaner which has been developed for a wide range of automated applications. The product has excellent dirt-removing properties. It even removes dried-on contamination very effectively.

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.

Due to its excellent dispersing property, it efficiently prevents a redeposition of removed contamination onto cleaned parts. 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-in residues from synthesis like polymers or organic substances
- organic and inorganic salts
- greases
- oils
- pigments
- blood
- residues of tissue and
- proteins

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:

- to ensure all washing goods come into contact with the cleaning solution during the process
- 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 25 ORGANACID (free of phosphates), deconex 26 MINERALACID or deconex 26 PLUS in combination with deconex 22 PF. Please ask for the corresponding data sheets.

Chemical/physical data

pH	1% solution in demineralized water	approx. 11.7 - 12.7
Appearance		white powder

Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

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.

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:

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