

deconex® 21 SOLID

Mildly alkaline cleaning powder

For automated application in laboratories.
Free of chlorine, powder.



Application

deconex® 21 SOLID is universally used in laboratories for the removal of organic and inorganic residues and contaminations from laboratory glass and reusable laboratory materials.

deconex® 21 SOLID is applied in:

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

Properties

deconex® 21 SOLID has the following properties. It is:

- mildly alkaline
- free of chlorine
- free of surfactants and
- powdered

Dosage

The optimum dosage depends mainly on the water hardness and the nature of the contamination. In principle, the use of softened water 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® 21 SOLID	2-3 g/L	3-5 g/L

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

deconex® 21 SOLID is very gentle on materials, and has been in particular developed for the application in washing machines. The product has excellent dirt-removing and dispersing properties.

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

deconex® 21 SOLID gently but effectively removes:

- greases
- oils
- culture media
- sera

Ingredients

Alkalis, complexing agents, corrosion inhibitor

deconex® 21 SOLID

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:

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

Chemical/physical data

pH	1 % solution in demineralized water	approx. 12.0
Appearance		white powder

Availability

Please ask your local representative about available container sizes.

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

Neutralization

For neutralization of carried over alkaline residues, an acidic rinse should always follow the cleaning steps. In combination with deconex® 21 SOLID we recommend deconex® 25 ORGANACID, deconex® 26 MINERALACID or deconex® 26 PLUS neutralizers. Please ask for the corresponding data sheets.

Material compatibility

Suitable for:

Stainless steel, aluminium, anodised aluminium, synthetic materials, rubber, latex, laboratory glass, ceramics

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/effluent disposal, 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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