

deconex® 21 SOLID

Mildly alkaline special cleaning powder

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



Application

deconex 21 SOLID is used in the central sterile supply for automated reprocessing of surgical instruments, ward utensils and anaesthesia material, including:

- stainless steel instruments (scalpels, tweezers etc.)
- articulated instruments (scissors, clamps etc.)
- ward utensils (bowls, feeding bottles etc.)
- anaesthesia material (breathing balloons
- breathing tubes etc.) and
- shoes of the surgical team

deconex 21 SOLID is also universally used in laboratories for the removal of organic and inorganic residues and contamination from laboratory glass and reusable laboratory material.

deconex 21 SOLID is being applied in:

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

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 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 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 to materials. It allows the simultaneous cleaning of instruments made of stainless steel and aluminium. deconex 21 SOLID has been specifically developed for the application in washing machines. The product has excellent dirt-removing and dispersing properties, despite it is void of aggressive hydroxides (NaOH, KOH).

deconex 21 SOLID gently but effectively removes:

- blood
- residues of tissue and
- proteins

The simultaneous cleaning of instruments made of stainless steel and aluminium is possible.

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 and
- 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 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
- to use demineralized water for final rinsing and
- to reprocess anaesthesia material chemothermally

Chemical/physical data

pH	1% solution in demineralized water	approx. 12.0
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	57 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.

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, deconex 26 MINERALACID or deconex 26 PLUS in combination with deconex 21 SOLID. 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 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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advanced cleaning solutions