

# deconex® 20 NS

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

For use in soaking baths, ultrasonic cleaning systems and cleaning in washing machines



## Application

deconex 20 NS removes contamination of organic or inorganic origin. Wherever an absolute residue-free and non-foaming cleaning of delicate items is indispensable, deconex 20 NS can be used. For example: in industries for paints and lacquers, in microbiology (cell culture, infusion bottles), for the radioactive decontamination and for the cleaning of optical and electronic components.

## Properties

deconex 20 NS is an alkaline preparation and does not contain organic surface-active substances which could have an adverse

effect e.g. in connection with cell cultures. The excellent emulsifying and dispersing capabilities prevent removed particles from being redeposited. Selected complexing agents ensure that heavy metal ions go into solution and can thus be easily rinsed off.

## Ingredients

Alkalis, complexing agents, dispersing agent, sequestering agents

## Dosage

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

In practice, the following dosages have given good results:

Cleaning in soaking baths

Cleaning	Dosage	Temperature	Exposure time
Normal	2-5%	20-30 °C	1-2 h
Intensive*	5-10%	20-30 °C	6-12 h
Fast*	2-5%	60-90 °C	10-30 min

\*including radioactive decontamination

The cleaning procedure is accelerated by raising the temperature of the solution. Each increase by 10 °C roughly reduces by half the necessary time.

Cleaning in a washing machine

For some contamination a precleaning is advisable by soaking in 1-5% deconex 12 PA or deconex 15 PF.

Programs steps	Time / Temperature / Medium
Cleaning	2-10 min / 60-80 °C / 3-10 ml/l deconex 20 NS
Neutralisation	cold / 2-5 ml/l deconex 25 ORGANACID
Subsequent rinsing	with demineralized water
Final rinsing	with fully demineralized or distilled water

# deconex® 20 NS

## Material compatibility

Suitable for:

Glass, precious metals, stainless steel, precious stones, lead crystal, quartz, ceramic, synthetic material, rubber, porcelain, steel, ferrous metals, ophthalmic lenses, PE, PP, PVC, PTFE, Viton, NBR

Not suitable for:

Aluminium, tin, zinc, non-ferrous metals

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

## Chemical/physical data

pH	1%	approx. 11.9
Density	concentrate	1.24 g/ml
Appearance	concentrate	light yellowish liquid
Titrate procedure	100 ml basis	1.0 n hydrochloric acid
Consumption of 1.0 n HCl	1.5 ml/weight %	phenolphthalein

## 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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