

# deconex® CIP alpha-x

**Alkaline special cleaner for powerful and robust cleaning processes in the pharmaceutical industry**

Liquid, phosphate- and chlorine-free; contains no surfactants. Suitable for CIP and COP processes.



## Application

deconex® CIP alpha-x is suitable for residue-free and validated cleaning in GMP-compliant environments concerned with the production of active pharmaceutical ingredients and drugs.

deconex® CIP alpha-x is used in the

- pharmaceutical
- chemical
- biotechnology and
- cosmetic industries

deconex® CIP alpha-x is suitable for automatic and semiautomatic cleaning with CIP and COP processes as well as for flooding production equipment. deconex® CIP alpha-x efficiently removes residues in reaction vessels (stainless steel, glass-lined and glass), fermenters, tanks and tubing as well as in production equipment such as mixers, centrifuges and granulators.

## Properties

deconex® CIP alpha-x has the following properties

- liquid
- alkaline
- phosphate-free
- leaves no residues on rinsing
- non-foaming
- chlorine-free
- suitable for validated cleaning

deconex® CIP alpha-x is also very effective for the removal of organic and inorganic residues from syntheses, dried and baked contaminants, oils, fats, ointments and cream residues and residues from cell culture.

## Ingredients

Alkalis, complexing agents, sequestering agents

## Dosage

Dosage depends on the type and degree of contamination, the cleaning equipment used and the cleaning process as well as on the water hardness.

deconex® CIP alpha-x is normally used at concentrations of 0.5-2.0 % (v/v).

## Information on use

Generally, increasing the temperature leads to a reduction of cleaning time. Rinsing properties are excellent because the product does not contain any surfactants. Furthermore, no foaming occurs during circulation of the cleaning medium.

## Neutralization

Each cleaning step should be followed by an acid rinse to neutralize alkaline residues due to carry-over. As neutralizer for deconex® CIP alpha-x, we recommend deconex® CIP acid.

Phosphate-free process:

Neutralization with deconex® CIP fresh results in an entirely phosphate-free process.

## Residue analysis/cleaning validation

To confirm residue-free cleaning we supply suitable analytical methods and will be pleased to offer advice on how to perform them in practice.

# deconex® CIP alpha-x

## Material compatibility

Suitable for:

Stainless steel, vitreous and porcelain enamel, partly non ferrous metal, borosilicate glass, ceramics, synthetic materials

Not suitable for:

Aluminium, anodized aluminium, zinc

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. 12.5
Density	concentrate	1.31 g/mL
Appearance	concentrate	transparent, colourless to yellow

## 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.

## deconex® CIP for the highest standards of quality

deconex® CIP products have been developed specially for validated cleaning.

Our products and services allow individual, optimally adapted and efficient cleaning processes to be used. You can obtain further information on this directly from Borer Chemie AG.

## Manufacturer:

### Borer Chemie AG

Gewerbestrasse 13, 4528 Zuchwil / Switzerland

Tel +41 32 686 56 00 Fax +41 32 686 56 90

office@borer.ch, www.borer.ch

All information provided is based on our current knowledge and it does not constitute a legally binding assurance of specific product properties.