

## Technical data sheet

**KRONES colclean AD 1003****Caustic additive for bottle washer****Product description and application**

KRONES colclean AD 1003 is used in bottle washers combined with caustic soda. Its special dispersing agents improve the cleaning efficacy as well as the waste carrying capability of the caustic decisively. Applied coloured (ceramic) labels are left untouched, while even high water hardness is covered safely. Glas surfaces keep their shining.

KRONES colclean AD 1003 is free of NTA, EDTA, phosphates and phosphonates. For industrial use only.

**Operating conditions**

Concentration:	0.1-0.3% in combination with 1.0 – 2.5% NaOH
Dosing:	automatically, in combination with caustic or machine cycle
Temperature:	cold to 95°C
Contact time:	depending on type of bottle washer

**Concentration check**

Special titration

**Physical data**

Form/colour/smell:	liquid, colourless to brownish, characteristic
pH value:	> 12
Density:	approx. 1.25 g/cm <sup>3</sup>
Flash point:	-
Foaming:	non foaming, free of defoamer
Temperature stability:	stable at +5 to +40°C
Conductivity (in deionised water):	-

**Material compatibility**

Compatible in the working concentration with all common materials in food industry like: Stainless steel, glass, PET, PE, PP, PVC, PVDF, PTFE, Viton, EPDM.

At the same time, however, the possibility of material incompatibilities cannot be completely ruled out. We recommend to carry out appropriate tests in case of uncertainty.

**Storage/ Shelf life**

The product should be stored sealed in the original container in a cool, well ventilated place.

Minimum shelf life: 2 years.

**Classification**

Please refer to the corresponding safety data sheet for details on:

Hazardous Information

Transport Regulations

Safety Regulations

**Disposal**

Recycling of packaging only fully emptied and closed.

Any product residues must be disposed of in accordance with local regulations. For further information, please refer to our safety data sheet.

**Further information**

Ingredients according to EC regulation 648/2004

5-<15%: polycarboxylates

See EC safety data sheet

**Special instructions**

Rinse with sufficient amount of drinking water, to avoid any residues on surfaces, which could come into contact with foodstuff.

Due to possible incompatibilities with other products, it is recommended to rinse dosing equipment (pumps, pipes) thoroughly with water prior to a change-over to KRONES colclean AD 1003.

It is impossible to mix KRONES colclean AD 1003 with undiluted caustic soda solution.

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This version of the technical data sheet supersedes all previous versions, which thereby become invalid.

All information and recommendations are based to the best of our knowledge on the latest state of the art in technology and our experience and do not constitute a contractual relationship. All references to DIN standards are for product description purposes only and do not constitute a guarantee.

Processing and material quantities need to be adjusted to account for local conditions. In the event of problems, please seek technical advice. Subject to changes.