

## Technical data sheet

**KRONES colclean IC 4001****Acidic detergent descaler for the beverage industry****Product description and application**

KRONES colclean IC 4001 is a non foaming, acidic detergent descaler based on phosphoric acid used especially for CIP in the beverage industry.

KRONES colclean IC 4001 is highly effective at removing inorganic and organo-mineralic scale deposits and beer stone being anticorrosive at the same time. For industrial use only.

**Operating conditions**

|                |                                     |
|----------------|-------------------------------------|
| Concentration: | 0.5 – 2%                            |
| Dosing:        | manually or conductivity controlled |
| Temperature:   | ambient to 80°C                     |
| Contact time:  | 30 to 60min                         |

**Concentration check**

Titration of p- and m-value

**Physical data**

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Form/colour/smell:                 | liquid, clear, odorless           |
| pH value:                          | strongly acidic                   |
| Density:                           | approx. 1.35g/cm <sup>3</sup>     |
| Flash point:                       | -                                 |
| Foaming:                           | non foaming, contains no defoamer |
| Temperature stability:             | stable at +4 to +40°C             |
| Conductivity (in deionised water): | see conductivity table            |

**Material compatibility**

Compatible in the working concentration with all common materials in food industry like: Stainless steel, aluminium, glass, PET, PE, PP, PVC, PVDF, PTFE and acid-proof elastomeres.

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: 3 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**

Contains: phosphoric acid  
Ingredients according to EC regulation 648/2004  
<5%: phosphonates  
<5%: anionic surfactants  
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 IC 4001.

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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.