

## Neutral cleaner with anti-corrosive properties, salt-free

**Fields of Application:** - Universal cleaner for spray-wash, immersion and ultrasonic plants particularly high-quality production parts are cleaned reliably

**Properties:**

- Mild-alkaline
- Excellent cleaning and wetting power
- Anti-corrosive properties (anticorrosive degree 0 in 3 % solution according to DIN 51360, part 2)

**Handling:**

In spray plants:  
 Applied concentration: 0.5 - 3 %  
 Temperature: 40 - 70°C

In immersion and ultrasonic devices:  
 Applied concentration: 2 - 5 %  
 Temperature: 40 - 70°C

**Technical Data:**

Appearance: Light-yellow to light-brown, clear solution  
 Density (20°C): 1.025 ± 0.01  
 pH-value conc.: 10.5 ± 0.4  
 pH-value 1 % solution: 9.7 ± 0.4  
 9.9 ± 0.4 (in norm. water DIN 51367)

**Bath Control:**

1. Determination of concentration in industrial water:
  - a. Blanc value determination:  
 50 ml industrial water are titrated against bromophenolblue with 0.1 N hydrochloric acid.  
 Consumption 0.1 N hydrochloric acid = blanc value
  - b. Determination of concentration of a **PK Aqua** 196-4-solution:  
 Receiver: 50 ml  
 Indicator: Bromophenolblue  
 Titration agent: 0.1 N hydrochloric acid  
 Titration factor: 0.166  
 Calculation: (used ml of 0.1 N hydrochloric acid - blanc value) x factor  
 = %-content of **PK Aqua** 196-4
2. Determination of concentration in norm. water (DIN 51367):  
 Receiver: 50 ml  
 Indicator: Bromophenolblue  
 Titration agent: 0.1 N hydrochloric acid  
 Titration factor: 0.154

**Safety Precautions:** **Proto Klin Aqua 503** has a skin-degreasing effect, therefore permanent contact to the skin should be avoided. In case of contact to the skin wash under running water and possibly put on a cream.

**Disposal:** Contaminated solutions have to be leaded to an appropriate sewage water treatment.

This information on properties and application of the products named above is given according to the best of our knowledge based on our development work and practical experience. As, however, not every detail can be described, this information is not binding. For further advice, please contact our Application Engineering Department.