



## Acidic Detergent for the food industry

### Liquid concentrate

#### Fields of application:

- Cleaning of production systems, containers, tanks and lines using automated CIP processes or in circulation processes in the food industry
- A special area of use is the single-phase cleaning of milk tankers in a transfer process
- Manual cleaning of surfaces in the food industry

#### Performance spectrum:

niroklar 6000 contains sulfamic acid and special wetting agents. It has the following properties:

- Powerfully dissolves mineral and other acid-soluble deposits
- Organic soiling such as fat and protein is infiltrated and emulsified
- Foam-free at approx. 45 °C and above
- Free of phosphate and nitrate
- Suitable for stainless steel, aluminium, acid-resistant plastics and seals
- Not suitable for iron, aluminium and light alloys as well as non-ferrous metals and their alloys

#### Application and Dosage:

- Cleaning using automated CIP processes or in circulation processes: The application concentration is 1.0 - 3.0 per cent by weight, depending on application, water hardness and degree of soiling, in the temperature range of 55 °C - 75 °C. For heavy soiling, the dosage can be increased
- Single-phase cleaning of milk tankers: 0.5 - 1.0 per cent by weight in the temperature range of 60 °C - 70 °C

- Manual cleaning: The application concentration is 0.5 - 1.0 per cent by weight, depending on application, water hardness and degree of soiling
- niroklar 6000 must not be mixed with active chlorine-containing cleaning solutions
- Acidic and/or oxidative detergents and disinfectants must not be used for long-term use due to the risk of pitting corrosion of stainless steel. The formation of pitting corrosion is facilitated by high chloride amounts in the water, high temperatures and still solutions
- When using niroklar 6000 the items to be washed, the cleaning system and the drain pipes must be acid-compatible

#### General notes on application:

- For professional use only.
- In order to avoid product residues, rinse surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- Only dose from the original container.
- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.

## Determining concentration:

After adding one to two drops phenolphthalein solution, 10 ml of niroklar 6000 - solution is titrated with 0.1 N caustic soda (NaOH) until the colour changes from colourless to red.

ml of 0.1 N NaOH used x 0.36 = % (w/w) niroklar 6000

## Technical data:

Appearance	clear, colourless liquid
pH-value	1.9 (1% in deionised water, 20 °C)
Density	approx. 1.3 g/cm <sup>3</sup> (20 °C)
p-value	approx. -11 (ml of 0.1 N NaOH used in titration of 400 mg of concentrate against phenolphthalein)


The product specification may contain deviating test parameters. This specification can be obtained on request.

## Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:

< 5 % anionic and non-ionic surfactants

## Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol .

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

## Hazard and precautionary statements:

For safety information see Safety Data Sheets. These are available at [www.drweigert.com](http://www.drweigert.com) under the category "Service/Downloads".

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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