

# niroklar<sup>®</sup> 6000

Acid detergent for the food industry – Liquid concentrate



## Main fields of application:

Cleaning of production plants, tanks, containers and pipes via automated CIP or circulation methods as well as manual cleaning in the food industry. A special area of application is e.g. the single-phase cleaning of milk collecting trucks via pump circulation method.

For professional use only.

## Properties

niroklar 6000 is an acidic detergent based on amidosulfonic acid and special wetting agents. niroklar 6000 has the following properties:

- powerfully dissolves mineral and other acid-soluble deposits
- infiltrates organic deposits such as fat and protein
- emulsifying action
- phosphate-free and nitrate-free cleaning
- non-foaming from approx. 45°C onwards
- suitable for stainless steel, acid-compatible synthetic materials and rubber

## Dosage:

### Cleaning via CIP method or circulation method:

Dosage depending on application and degree of soiling: 0.5 – 1.0 weight % at a temperature between 55 °C – 75 °C. In the case of heavier soiling the dosage must be adjusted..

### Single-phase cleaning of milk collecting trucks:

0.6 – 0.8 weight % at a temperature between 60 – 70 °C.

### Manual cleaning:

Dosage depending on application and degree of soiling: 0.5 – 1.0 weight % . It is common to work in the temperature range of 20 - 40 °C.

When using niroklar 6000 the items to be washed, the cleaning system and the drain pipes must be acid-compatible.

The instructions given by the manufacturer of the production and cleaning plants must be observed.

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

Rinse out dosing system including suction hose with water before changing product.

The weigomatic<sup>®</sup> dosing systems resp. neomatik<sup>®</sup> 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 red to colourless.

ml of 0.1 N NaOH used x 0.364 = % (w/w) niroklar 6000



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With the above information, which is appropriate to our current knowledge we describe our product regarding possible safety necessities, but we do not involve any quality description or promise certain properties.

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## Technical Data:


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

The product specification can contain deviating test parameters. The 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 

## 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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