



# niroklar<sup>®</sup> S 55

## Acidic Detergent for the food industry

### Liquid concentrate

#### Fields of application:

- Cleaning of surfaces, floors, walls, utensils and containers as well as production and filling systems in the food industry by means of low-pressure foam cleaning equipment and wiping

#### Performance spectrum:

niroklar S 55 is an acidic, foaming cleaning agent with the following properties:

- Powerfully dissolves mineral deposits such as limescale
- Organic deposits such as fat and protein are infiltrated and dislodged
- Produces a stable foam when applied by means of low-pressure foam cleaning equipment
- Suitable for stainless steel, aluminium, rubber and acid-resistant plastics and seals
- Non-ferrous metals and their alloys as well as iron are only resistant for short exposure times, taking into account the application concentration

#### Application and Dosage:

- The application concentration is 2.0–3.0 per cent by weight, depending on soiling, water hardness and application, in the temperature range of 20–50 °C. For stubborn deposits, the concentration can be increased to as much as 10 per cent by weight.
- niroklar S 55 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 S 55 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.
- 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 S 55- 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 0.13 = %  
(w/w) niroklar S 55

## Technical data:

Appearance	clear, yellowish liquid
pH-value	2.1 (1 % in deionised water, 20 °C)
Density	approx. 1.3 g/cm <sup>3</sup> (20 °C)
p-value	approx.. – 31 (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 surfactants

> 30 % phosphates

also perfumes (limonene)

## Storage information:

Always store at a temperature between -20 °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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