



Acidic Detergent for the food industry

Liquid concentrate

Fields of application:

- Cleaning of surfaces, floors, walls, equipment and containers in the ecological and conventional food industry via low pressure and foam cleaning devices as well as by wiping.

Performance spectrum:

niroklar S 75 is an acidic detergent with foam-active surfactants and has the following properties:

- Effectively dissolves mineral deposits, such as limescale
- Organic residues such as fat and protein are infiltrated and removed.
- Free of phosphoric acid, phosphates and other phosphorus-containing compounds
- Listed in the FiBL list of resources for organic production Germany
- Suitable for stainless steel and acid-compatible plastics
- Not suitable for acid-sensitive surfaces, such as aluminium, light metal alloys as well as copper, brass and other non-ferrous alloys
- Not suitable for galvanised surfaces.

Application and Dosage:

- Depending on the soiling, the application concentration is 1-5 % (w/w). With stubborn soiling up to 10 % (w/w). niroklar S 75 is used in a temperature range of 5 – 50 °C.
- niroklar S 75 must not be mixed with active chlorine-containing cleaning solutions.
- Acidic and/or oxidative detergents and disinfectants are not suitable 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 75 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. For commercial use only.
- 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 75-solution is titrated with 0.1 N sodium hydroxide (NaOH) until the colour changes from colourless to red

$\text{ml of 0.1 N NaOH used} \times 0,22 = \% \text{ (w/w)}$
niroklar S 75



Technical data:

DS 1410/3-1
Revision date: 11/24

Appearance	Clear, yellowish liquid
pH-value	1.7 (1 % in deionised water, 20 °C)
Density	approx. 1.2 g/cm ³ (20 °C)
p-value	approx. - 18 (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 – 15 % anionic surfactants

Storage information:

Always store at a temperature between 0 and 30 °C. Usable for 3 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 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.

