



Acidic Detergent for milking and milk cooling systems Liquid concentrate



Fields of application:

- Automated and manual acidic contrast cleaning of milking and milk-cooling systems, lines and milk tanks.

Performance spectrum:

niroklar SM is a surfactant-containing, acidic detergent with the following properties:

- Reliably removes limescale and milkstone
- Free of nitric acid
- Approved by the German Agricultural Society (DLG¹) and included on the DLG product list of cleaning agents and disinfectants for milking systems (Group 2 R acidic)
- Suitable for stainless steel, aluminium, rubber and acid-resistant plastics and seals

Application and Dosage:

- For optimum results, milking systems should be cleaned as follows after every use, and so should milk-collection containers, cooling tanks and milk containers after every time they are emptied:
 1. Pre-rinsing with cold to lukewarm water
 2. Cleaning with 0.5 % (w/w) of niroklar SM application solution (e.g. approx. 41 ml per 10 l of water) at temperatures of 30 to 80 °C, circulation time 10 to 20 min.
- For optimum cleaning results, we recommend daily alkaline cleaning and disinfection with neomoscan AM 100. Morning: alkaline with neomoscan AM 100, evening: acidic with niroklar SM.
- niroklar SM 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 SM 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 instructions given by the manufacturer of the milking and milk cooling systems are to be observed.
- 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.

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.



niroklar SM

Determining concentration:

After adding one to two drops phenolphthalein solution, 10 ml of niroklar SM- 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 0.15 = % (w/w)
niroklar SM

Technical data:

Appearance	clear, colourless liquid
pH-value	approx. 2 (1 % in deionised water, 20 °C)
Density	approx. 1.2 g/cm ³ (20 °C)
p-value	approx. - 27 (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 % non-ionic surfactants
> 30 % phosphates

Storage information:

Always store at a temperature between – 10 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 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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¹ DLG – Deutsche Landwirtschafts-Gesellschaft e.V. [German Agricultural Association]