



Acidic Detergent for milking and milk-cooling systems

Powder

Fields of application:

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

Performance spectrum:

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

- Reliably removes limescale and milkstone
- Has an emulsifying and wetting action
- Supports the removal of milk protein and fat
- Easily soluble in cold water
- Free of nitric acid
- Suitable for stainless steel, aluminium, rubber and acid-resistant plastics and seals

Application and Dosage:

- For optimal 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 luke-warm water
 2. Cleaning with 0.5 % (w/w) of niroklar GR Pulver solution (e.g. 50 g 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 RM Pulver
- niroklar GR Pulver 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 GR Pulver 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 all 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 hoses 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 and neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water 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 GR Pulver 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 0.11 = % (w/w)
niroklar GR Pulver

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

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Technical data:

Appearance	White powder
pH-value	approx. 2 (1 % in fully deionised water, 20 °C)
Bulk density	approx. 1200 g/l

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

Storage information:

Always store at a temperature between

-10 and 30 °C. Usable for 2 years when stored as recommended. Close the lid again after removal! Humidity can cause the product to clump and lose effectiveness. For the 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 under the category "Service/Downloads".

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

The details in this data sheet are based on our current knowledge and experience. They do not exempt users from conducting their own tests and experiments and do not constitute a legally binding commitment regarding specific properties.