



# neomoscan<sup>®</sup> AM 100

## Alkaline detergent and disinfectant for milking and milk cooling systems



Liquid concentrate

### Fields of application:

Automated cleaning and disinfection of milking and milk-cooling systems as well as milk containers in milk-producing establishments

### Performance spectrum:

neomoscan AM 100 is an alkaline, active chlorine-containing cleaning agent and disinfectant with the following properties:

- Reliably removes organic residues such as milk protein and fat
- Bactericidal efficacy according to EN 1276
- Foam-free adjustment
- Approved by the German Agricultural Society (DLG)<sup>1</sup> and included on the DLG product list of cleaning agents and disinfectants for milking systems (Group 2 R+D alkaline)
- Suitable for stainless steel, rubber and alkali- and active-chlorine-resistant plastics and seals
- Not suitable for aluminium and light alloys, other light metals as well as galvanised materials.
- Preliminary testing must be carried out for brass, copper and non-ferrous alloys

### 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. Disinfection with 5 g/l (0.5 per cent by weight) of niroklar AM 100 application solution (e.g. 44 ml per 10 l of water) at temperatures of 30 °C to 80 °C and a circulation time of 15 min.

- For the safe removal of mineral deposits such as water hardness and milkstone, we recommend daily acidic contrast cleaning with niroklar SM: in the mornings alkaline with neomoscan AM 100, in the evenings acidic with niroklar SM

### 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.
- Do not mix with other products.
- 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.

- *Use disinfectants safely. Always read the label and product information before use.*

## Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

## Determining concentration:

2 drops of a 3% hydrogen peroxide solution are added to 10 ml neomoscan AM 100 solution, the mixture is shaken briefly and after adding 1-2 drops of phenolphthalein solution, the mixture is titrated with 0.1 hydrochloric acid (HCl) until the colour changes from red to colourless.

ml of 0.1 N HCl used x 0.58 = % (w/w) neomoscan AM 100

## Technical data:

Appearance	clear, yellowish liquid
pH-value	approx. 12 (1% in deionised water, 20 °C)
Density	approx. 1.2 g/cm <sup>3</sup> (20 °C)
p-value	approx. 7 (ml of 0.1 N HCl used in titration of 400 mg concentrate against phenolphthalein)
Active chlorine	approx 250 mg / l (in 1% solution)

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 % phosphates, polycarboxylates, phosphonates

Active substances in 100 g:  
2.5 sodium hypochlorite

## Storage information:

Always store at a temperature between 4 °C and 24 °C. Keep away from sunlight. Usable for 1 year 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.

1 DLG – Deutsche Landwirtschafts-Gesellschaft e.V. [German Agricultural Association]

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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.