

niroklar[®] 3000

Acidic detergent for the food industry – Liquid concentrate



Main fields of application:

Cleaning of production plants, tanks, containers and pipes via automated CIP or circulation processes

For professional use only.

Properties:

niroklar 3000 is an acidic detergent based on a combination of nitric acid with special surfactants and the following properties:

- removes inorganic deposits effectively
- excellent emulsifying and wetting action
- foam-free at temperatures above 50 °C, even at high pressures and turbulences
- contains inhibitors and buffers, which largely prevent the formation of nitrous gases and increase protection against corrosion during use
- can be dosed automatically (conductivity-controlled)
- suitable for stainless steel and acid-compatible plastics
- not suitable for iron, aluminium, light metal alloys and non-ferrous metals and their alloys

Dosage:

The working concentrations are 0.5 - 2 % (w/w) depending on the type and degree of contamination within a temperature range of 50 - 70 °C.

Application example: acidic single-phase cleaning of milk collection vehicles:
0.5 - 1 % (w/w) at 60 °C.

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

Rinse out dosing system including suction hose with water before changing product.

Controlled, safe and economical application is ensured by our weigomatic[®] dosing systems. We are a specialist company in accordance with the German WHG (Water Conservation Act). Suited to the relevant conditions and requirements we plan, install and maintain central and distributed dosing units.

Determining concentration:

After adding 1 - 2 drops of phenolphthalein solution, 10 ml of working solution are titrated with 0.1 N caustic soda solution until the colour changes from colourless to red.

ml of 0.1 N caustic soda solution x 0.24 = % (w/w) niroklar 3000

Technical data:

Appearance:	Clear, colourless liquid
Density (20 °C):	approx. 1.15 g/cm ³
pH value (1 % in deionised water):	approx. 1.4
Acid capacity (ml of 0.1 N caustic soda solution used in titration of 400 mg of concentrate against phenolphthalein):	approx. - 17

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % nonionic surfactants, phosphates

Storage information:

Always store at a temperature between 0 °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 ⌚



Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85, D – 20539 Hamburg

Telefon: (040) 789 60 - 0
Telefax: (040) 789 60 - 120

E-Mail: info@drweigert.de
Internet: www.drweigert.de

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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.

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Hazard and precautionary statements:

For further safety information see EC safety data sheets. These are available at www.drweigert.com under the headline "Service/Downloads".

If applied according to the instructions for use the product is safe according to the appropriate guidelines on 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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DR. WEIGERT

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85, D – 20539 Hamburg

Telefon: (040) 789 60 - 0
Telefax: (040) 789 60 - 120

E-Mail: info@drweigert.de
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