

niroklar[®] S 55

Acid detergent for the food industry - Liquid concentrate



Main fields of application:

Cleaning of exterior surfaces of tanks, containers, pipes as well as conveyor belts, filling plants, working utensils, surfaces, walls and floors in the food industry.

To be used in a foam process via low pressure and foam cleaning devices.

For professional use only.

Properties:

niroklar S 55 is an acidic detergent based on a combination of phosphoric acid and foam-active anionic surfactants with the following properties

- Effectively solves mineral deposits such as limescale and boiler scale
- Rapidly infiltrates organic deposits such as fat and protein
- Forms stable foam when used in low pressure or foam cleaning devices
- Suitable for stainless steel, rubber, acid-compatible synthetic materials, aluminium
- Acid-sensitive non-ferrous metals and non-ferrous metal alloys, such as copper and tin, may only come into contact with a diluted niroklar S 55 solution for a short time

Dosage:

Depending on the degree of soiling 2 – 3 weight%. With especially stubborn deposits the concentration can be increased to 10 weight%. The usual temperature range is 20 °C – 40 °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 hose with water before changing product.

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 1 - 2 drops of phenolphthalein solution, 10 ml of niroklar S 55 working solution is titrated with 0.1 N caustic soda solution until the colour changes from colourless to red.

ml of 0.1 N caustic soda solution used x 0.13 = weight-% niroklar S 55

Technical data:

Appearance:	Clear, yellowish liquid
Density (20 °C):	approx. 1.28 g/cm ³
pH value (1 % in deionised water, 20 °C):	approx. 2.1
Acid capacity (ml of 0.1 N NaOH used in titration of 400 mg of concentrate against phenolphthalein):	approx. - 31

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
5 - 15 % anionic surfactants
> 30 % phosphates
also perfume (limonene)

Storage information:

Always store at a temperature between -20 °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 ⏳.



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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 safety information see EC 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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