

# niroklar<sup>®</sup> 66

Acidic cleaner for the food industry – liquid concentrate



## Main fields of application:

For pH value regulation and for avoiding lime scale and other deposits in warm water zones of bottle cleaning machines; especially with a high lye carry-over within the cleaning plant. With very hard water niroklar 66 should be used in combination with sequestering agents such as doscan PS.

For removing inorganic deposits in production plants via spraying, circulation and immersion methods, e.g. in pressure tanks in breweries.

For professional use only!

## Properties:

niroklar 66 is an acidic cleaner based on sulphuric acid with the following properties:

- excellent removal of organic-mineral deposits, such as beerstone and lime scale
- non-foaming
- automatically controllable via conductivity measuring
- suitable for stainless steel, aluminium, rubber and acid-compatible synthetic materials

## Dosage:

### Bottle washers:

Dosing into the warm water zone depending on degree of carry-over between 0.01 – 0.05 weight% (or 100 and 500 ppm) in relation to the added amount of fresh water.

### Cleaning of pressure tanks via spraying resp. circulation method:

Dosage: 0.5 – 1.5 weight% niroklar 66 at cold temperatures.

### Cleaning of production plants, e.g. for removing beer stone via spraying, circulation and immersion methods:

Dosage: 5 - 10 weight% niroklar 66 at cold temperatures. The cleaning time depends on the persistence of the deposits and takes approx. 3 - 12 hrs.

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<sup>®</sup> 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 niroklar 66 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 used x 0.07 = weight-% niroklar 66

## Technical data:

Appearance:	clear, colourless to yellowish liquid
Density (20°C):	approx. 1.61 g/cm <sup>3</sup>
pH value (1 % in deionised water, 20 °C):	approx. 1
Acid capacity (ml of 0.1 N (NaOH) sodium hydroxid solution used in titration of 400 mg of concentrate against phenolphthalein):	approx. -57


## Ingredients:

Sulfuric acid

## Storage information:

Always store at a temperature between -20 and 30 °C.

Usable for 2 years when stored as recommended.

For expiry date refer to the stamp mark on the label after the hourglass symbol .



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Die Angaben dieses Merkblattes beruhen auf unseren derzeitigen Kenntnissen und Erfahrungen. Sie befreien den Verwender nicht von eigenen Prüfungen und Versuchen. Eine rechtlich verbindliche Zusicherung bestimmter Eigenschaften kann hieraus nicht abgeleitet werden.

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](http://www.drweigert.com) under the category "Service".

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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