

karafol[®] S 21

Acid descaling agent – Liquid concentrate



Properties:

karafol S 21 is a descaler based on hydrochloric acid, specially made for galvanised surfaces. Special inhibitors reduce acid-attack on metals significantly. Surface-active wetting agents quickly help the acid to penetrate into the deposits to be removed and reduce the action time.

Main fields of application:

karafol S 21 is used as an acid descaler for the removal of heavy and stubborn limescale and rust deposits.

For professional use only!

Dosage:

The installations to be descaled, such as boilers, cool and process water circulation systems, bottle washing machines, can and crate washers and plate heat exchangers (on the water side) are treated using a 5 - 10 % karafol S 21 solution (or up to 20 % in extreme cases) at a maximum temperature of approx. 40 °C in a pumped circulation procedure. Some neodisher Entschäumer S is added to the solution to reduce interfering foam formation that may occur.

Before using karafol S 21, please note the working instruction „Notes on the descaling of units, equipment and systems with hydrochloric acid“, which is available on request.

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.

Controlled, safe and economic 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 the addition of 1 - 2 drops of phenolphthalein solution, 10 ml of karafol S 21 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 0.121 = % karafol S 21

Technical data:

Appearance:	Clear, brown liquid
Density at 20°C:	approx. 1.15 g/cm ³
pH-value (1 % in deionised water):	approx. 1
Acid capacity (ml of 0.1 N caustic soda solution used in titration of 400 mg concentrate against phenolphthalein):	approx. - 33

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5% non-ionic surfactants

Storage information:

Sensitive to frost below - 20 °C.

Hazard and precautionary statements:

For safety information see EC safety data sheets. These are available at www.drweigert.de under the category “Service”.



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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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 Material 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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