

karafol[®] S 20

Acid descaling agent – Liquid concentrate



Properties:

karafol S 20 is a descaling agent based on hydrochloric acid. Special inhibitors significantly reduce acid-attack on metals.

Main fields of application:

karafol S 20 is used as an acid descaling agent for the removal of heavy and stubborn limescale and rust deposits. The protective value of karafol S 20 on low alloy constructional steels to DIN 50940 is above 95 %. karafol S 20 is not suitable for use in treating light alloys and non-ferrous heavy metals or galvanised or tin-plated surfaces. karafol S 20 is registered by the Office for Workers' Protection and the Hanseatic State of Hamburg under no. KL 05/43 as a descaling agent. karafol S 20 is not suitable for descaling galvanised installations. Ask for this application for information on the acid descaling agent karafol S 21.

Dosage:

The installations to be descaled, such as boilers, cool and process water circulation systems, bottle cleaning machines, can and crate washers and plate heat exchangers (the water side) are treated using a 5 - 10 % karafol S 20 solution, which in extreme cases can be up to 20 %, at a maximum temperature of approx. 40°C using a circulation pump procedure. To reduce any possible interfering foam formation, some neodisher Entschäumer S is added to the solution.

Before using karafol S 20, 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 20 working solution is titrated with 0.1 N caustic soda solution until the colour changes from colourless to red.

ml 0.1 N caustic soda solution used x 0.121 = % karafol S 20

Technical data:

Appearance:	Clear, brown liquid
Density (20°C):	1.16 g/cm ³
pH-value (20°C, 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 surfactant

Storage information:

Sensitive to frost below - 20 °C.



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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.de 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 Material Safety Data Sheet.

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