neoseptal® OS

Acidic disinfectant for the food industry – Liquid concentrate

Fields of application:

Disinfection of cleaned production plants, tanks, containers and pipes via automated CIP processes or in circulation processes, preferably for re-usable CIP disinfection solutions

Combined cleaning and disinfection of pressure tanks in breweries as well as tanks and pipes in the beverage industry.

Quat[1]-free and active chlorine-free disinfection of milking and milk cooling plants, pipes and milk tanks in dairy farms.

For professional use only!

Characteristics:

neoseptal OS is a highly acidic disinfectant based on organic and inorganic acids and has the following properties:

- bactericidal and fungicidal according to EN 1276 and EN 1650
- highly effective at low temperatures of 4 °C to 20 °C
- automatically controllable via electric conductivity
- excellent re-usability – no loss of efficacy when re-using the disinfectant solution over longer periods
- foam-free also under high mechanical stress
- free of quats[1], active chlorine and surfactants
- tested and confirmed for acidic disinfection of milking and milk cooling plants
- included in the IHO[2] list of disinfectants
- suitable for stainless steel and acid-compatible synthetic materials
- included in the suitability list of company Munk & Schmitz for "Munkadur coatings". For other coatings a pre-test must be carried out.

Dosage:

Dilute neoseptal OS according to the below-mentioned dosing recommendation. neoseptal OS is normally used at cold temperatures up to 40 °C. The pH-value of the working solution must be highly acidic and must not exceed 2.5. In the case of combined cleaning and disinfection of e.g. pressure tanks a sufficient pre-cleaning with water is to be observed.

Disinfection in the food industry with bactericidal activity (according to EN 1276) and fungicidal activity (according to EN 1650)

temperature	4 °C	10 °C	20 °C
For disinfection (cleaned plants)	25 g/l (2.5 weight %), 15 min	20 g/l (2.0 weight %), 15 min	15 g/l (1.5 weight %), 15 min

The application recommendation also comprises the activities against Lactobacillus brevis, Enterobacter cloacae, Pediococus damnosus, Pectinatus frisingesnis, Megasphaera cerevisiae and Saccharomyces cerevisiae.

Disinfection of milking and milk cooling plants, pipes and milk tanks in dairy farms:
With bactericidal activity according to EN 1276: 1 weight % (e.g. 89 ml per 10 litres water), at 30 – 40 °C for 15 minutes

For optimum results milking plants are to be cleaned immediately after use and milk cooling plants immediately after emptying. For cleaning alternately we recommend using the neomoscan FA 18 alkaline cleaner and the acidic disinfectant neoseptal OS.

Surfaces that come into contact with food must be rinsed with adequate 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.

The instructions given by the manufacturer of the milking and milk cooling plants are to be observed.

1 Quats: quaternary ammonium compounds
2 Industrieverband für Hygiene und Oberflächenschutz – (German Association for Hygiene and Surface Protection)

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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.

Use disinfectant safely. Always read the label and product information before use.

Expert reports:

The disinfecting activity has been confirmed by certification. We are pleased to provide certificates on request.

Determining concentration:

After adding one to two drops of phenolphthalein solution, 10 ml of neoseptal OS 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 0.15 = weight-% neoseptal OS

Technical data:

Appearance:	Light yellow to yellow brown liquid
Density (20 °C):	approx. 1.12 g/cm³
pH-value (1 % in deionised water, 20 °C):	approx. 1.9
Acid capacity (ml 0.1 N caustic soda solution used in titration of 400 mg of phenolphthalein):	approx. - 26

Ingredients:

Active substances in 100 g: 17.0 g formic acid

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 1 year when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

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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