

Additive for alkaline cleaning solutions in the food industry

Liquid concentrate

Fields of application:

- Enhancing the cleaning performance of alkaline solutions for cleaning of production and filling systems, boilers, evaporators, separators, containers, tanks and lines in the food industry using automated CIP processes or in circulation processes
- Removal of aroma compounds and colouring agents in the food and drinks industries
- Cleaning of presses and boilers in juice mills

Performance spectrum:

doscan RV-O is an active-substance concentrate based on hydrogen peroxide and complexing agents with the following properties:

- Effectively removes even stubborn organic soiling
- Reliably removes colouring agents and aroma compounds
- Free of surfactants
- The hydrogen peroxide content is broken down into environmentally harmless degradation products
- Suitable for oxidation-resistant materials and plastics
- Rubber must not be treated in processes involving long-term contact with peroxidic agents
- Material compatibility is geared towards the basic alkaline component used

Application and Dosage:

- doscan RV-O is used in combination with application solutions of caustic soda, sodium hydroxide or manufactured alkaline cleaning agents

- When used in a CIP or circulation process doscan RV-O is dosed into the feed tank or inline for immediate use. The application concentration is 0.2–1.0 per cent by weight, depending on soiling, water hardness and application, in the temperature range of 60–85 °C
- To guarantee optimum efficacy over the whole cleaning period doscan RV-O be dosed in intervals
- Due to the deoxygenation and the resulting increase in pressure, pressure compensation must be ensured when using doscan RV-O in closed systems
- doscan RV-O must not be mixed with active chlorine-containing cleaning solutions
- Do not bring the undiluted product into contact with organic substances or with other concentrated cleaners and disinfectants

Notes on application:

- For professional use only.
- In order to avoid product residues, rinse surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- Only dose from the original container.
- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- 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:

10 ml detergent solution is mixed with 5 ml of a 5 % potassium iodide-solution and 5 ml of 10 %-hydrochloric acid. After adding 1-2 drops of a 10 % ammonium molybdate solution the brown solution is titrated with 0.1 N sodium thiosulphate solution until colourless.

ml 0.1 N sodium thiosulphate solution x 0.11 = weight-% doscan RV-O

Technical data:

Appearance	clear, colourless liquid
pH-value	2.8 (1 % in deionised water, 20 °C)
Density	approx. 1.1 g/cm ³ (20 °C)

The product specification may contain deviating test parameters. This specification can be obtained on request.


Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:

< 5 % phosphonates

5 - 15 % oxygen-based bleaching agents

Storage information:

Always store at a temperature between 0 °C and 25 °C. Keep away from sunlight. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol .

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

Hazard and precautionary statements:

For safety information see 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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