





CLEANING

SECODES AKTIV

Fast-acting detergent for the food industry

	<p>COMPOSITION Peracetic acid and hydrogen peroxide-based product.</p>																
	<p>GENERAL CHARACTERISTICS Secodes Aktiv is a rapid action, no foam, cleaning agent made of peracetic acid and hydrogen peroxide stabilized with phosphorganic complexes. It is particularly active against all microorganisms including sporogenic ones and viruses. Due to these properties it is possible to clean at low temperatures with notable cost savings. Even though its residues are not dangerous or toxic, it is necessary to first rinse them before starting subsequent processing as is prescribed in the current legislation.</p> <p>CHEMICAL-PHYSICAL CHARACTERISTICS</p> <table border="0"> <tr> <td>Physical aspect:</td> <td>Liquid</td> </tr> <tr> <td>Color:</td> <td>No colour</td> </tr> <tr> <td>Odor:</td> <td>Typical pungent</td> </tr> <tr> <td>Density at 20°C kg/dm³:</td> <td>1.1 approx.</td> </tr> <tr> <td>pH (1% sol. H₂O):</td> <td>3.2 approx.</td> </tr> <tr> <td>Solubility in water:</td> <td>Unlimited</td> </tr> <tr> <td>Foam formation:</td> <td>None</td> </tr> <tr> <td>Effects on metals:</td> <td>Does not damage aluminum, stainless steel, tin plated steel. It corrodes Iron Zinc, carbon steel, copper and its alloys. Plastic materials such as PE - PP - PS – Teflon are not damaged. On plastic-coated tanks and painted surfaces, since their chemical structure is unknown, it is advised to do some initial compatibility tests.</td> </tr> </table>	Physical aspect:	Liquid	Color:	No colour	Odor:	Typical pungent	Density at 20°C kg/dm ³ :	1.1 approx.	pH (1% sol. H ₂ O):	3.2 approx.	Solubility in water:	Unlimited	Foam formation:	None	Effects on metals:	Does not damage aluminum, stainless steel, tin plated steel. It corrodes Iron Zinc, carbon steel, copper and its alloys. Plastic materials such as PE - PP - PS – Teflon are not damaged. On plastic-coated tanks and painted surfaces, since their chemical structure is unknown, it is advised to do some initial compatibility tests.
Physical aspect:	Liquid																
Color:	No colour																
Odor:	Typical pungent																
Density at 20°C kg/dm ³ :	1.1 approx.																
pH (1% sol. H ₂ O):	3.2 approx.																
Solubility in water:	Unlimited																
Foam formation:	None																
Effects on metals:	Does not damage aluminum, stainless steel, tin plated steel. It corrodes Iron Zinc, carbon steel, copper and its alloys. Plastic materials such as PE - PP - PS – Teflon are not damaged. On plastic-coated tanks and painted surfaces, since their chemical structure is unknown, it is advised to do some initial compatibility tests.																
	<p>APPLICATIONS In the dairy, alcoholic beverage (wine/beer), non-alcoholic beverage and preserves industries and more generally the food industry, to clean surfaces that come in contact with food.</p>																
	<p>DOSAGE AND INSTRUCTIONS FOR USE Secodes Aktiv application solutions can be prepared either manually or with automatic dosage systems. To do this, automatic solution control and filling systems are available.</p> <p>DAIRY INDUSTRY</p> <p>a) To clean tubes and tanks After the washing cycle, clean with a 0.2-0.5% solution of Secodes Aktiv at 5 – 20 °C for 20-40'.</p> <p>b) To clean heat exchangers Prepare a 0.1-0.3% solution of Secodes Aktiv, circulate the solution until the heat exchanger reaches its application temperature.</p> <p>c) To clean mold in washing machinery Use a 0.2-0.5% solution of Secodes Aktiv in the rinsing cycle or, where foreseen, in the cleaning zone.</p> <p>d) For the systemic cleaning of continuous cheese machinery Use a 0.2-0.3% solution of Secodes Aktiv at room temperature.</p> <p>e) For processing or packaging equipment hygiene</p>																

The indications given here correspond to the current state of our knowledge and experience, however they do not relieve the user from compliance with safety and protection regulations or from improper use of the product.

After processing, spray a 0.3-0.5% solution of Secodes Aktiv on already washed surfaces.

IN THE WINE AND BEVERAGE INDUSTRIES

a) For cold cleaning of bottle fillers

After washing, rinse with a 0.5% solution at 5° - 20°C (or more) of Secodes Aktiv.

b) For tank and tube hygiene

After the washing cycle, rinse with a 0.2-0.5% solution of Secodes Aktiv at 5° - 20°C for 20-40'.

c) For premix cleaning

After washing, pump a 0.5% solution of Secodes Aktiv throughout the system up to the bottle filler.

d) For the cleaning of beer fermentation tanks

Use a 0.5 - 1% solution of Secodes Aktiv for 20-40'.

e) For external cleaning of bottle fillers and transport belts

Spray with a 0.3-0.5% solution of Secodes Aktiv.

f) Cleaning of microfiltration and ultrafiltration membranes

Use Secodes Aktiv at a concentration from 0.2-0.5% at room temperature for 30-40' or more according to the programmed processes.

PRESERVES INDUSTRY

a) For the cold cleaning of tubes, tanks, mixers and fillers.

After washing, clean with a 0.2-0.5% solution at a temperature of 5 – 20°C for 20' - 40'.

b) For external hygiene of process or packaging machines

After processing, spray a 0.3-0.5% solution of Secodes Aktiv on already washed surfaces.

CONTROLLING SOLUTIONS - REAGENTS AND EQUIPMENT

- Potassium iodide crystals
- Sulfuric acid 25% solution
- Ammonium molybdate 3% solution
- Starch indicator (1% sol. of soluble starch)
- Sodium thiosulfate 0.1N

ANALYTIC METHODOLOGY

Sample 10 mL of Secodes Aktiv solution in a 300mL flask; add 20 mL of 25% sulphuric acid. Add a pinch of potassium iodide and 1 mL of 3% ammonium molybdate and let sit for 1-2 minutes. Titrate the solution with a N/10 solution of sodium thiosulfate until the color turns pale yellow. Then add around 1 mL of 1% starch indicator (the solution will turn dark blue) and continue to titrate with the N/10 sodium thiosulfate solution until the blue color disappears.

% Secodes Aktiv Concentration Calculation = mL sodium thiosulfate 0.1N x 0.064.

PACKAGING AND STORAGE CONDITIONS

25 kg



Sealed package: store in a cool, dry and well-ventilated area. Protect from frost.
Opened package: carefully reseal and store as indicated above. Keep away from acids.

COMPLIANCE

For more detailed information on product handling and disposal of solutions, please refer to the safety data sheets.



The indications given here correspond to the current state of our knowledge and experience, however they do not relieve the user from compliance with safety and protection regulations or from improper use of the product.