

INSTRUCTION LEAFLET

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INTRODUCTION

The biocide Septaksin is not allergenic.

The biocide Septaksin has antimicrobial activity against gram-positive and gram-negative bacteria (including Koch's bacillus), viruses (influenza, herpes and other ethiological agents of acute respiratory viral infections – ARVI, HIV, hepatitis, rotaviruses and enteroviruses, poliomyelitis), fungi such as Candida, Dermatophytes, mold fungus.

The biocide Septaksin is used for the disinfection of surfaces in premises, sanitary appliances and equipment, items of patient care, linens, dishes and pre-sterilizing cleaning of medical equipment and instruments from different materials (including stomatological instruments, hard and flexible endoscopes and items for them) in medical and preventative institutions (stomatology, surgery, infection, maternity and puerperal, children's departments and hospitals), communal facilities (hotels, hostels, motels, dormitories, saunas, swimming pools, holiday hotels, sanatoriums, sport and fitness complex, fitness –clubs, hair-dresser saloons, children's pre-school and school institutions, welfare offices and institutions -(old-folks houses), penal system organizations (Department of Correction), military units railways, vehicles, air transportation, metro, vegetable-storages, food-processing plants (for equipment disinfection and supply lines in non-alcoholic drinks industry) , in water bottling industry, breweries (for removing the beer stone), in dairy industry and meat-processing industry; for disinfection of air by spray of Quasar system (by irrigation method 150 ml/m²) in all objects mentioned above and also for control of mold fungus.

Septaksin is also used for the disinfection of residual quantities of fecal-urinal deposits in storage container of stand-alone toilets which do not have sewage disposal and also for disinfection of bio-toilets.

Septaksin is recommended for use in veterinary surgeries. The product is used for necessary and prophylactic disinfection of premises and facilities of killing departments of poultry factories and poultry-processing enterprises, pre-incubatory eggs treatment, sanitary-killing departments on farms, dairy farms, fish breeding and fish processing enterprises, food markets, zoos, breeding nurseries, and for the treatment of the vehicles delivering groceries.

Septaksin has a number of advantages over chlorine-containing biocides:



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Septaksin

- application of Septaksin is more cost-effective than chlorine-containing products (high antiviral effect with low concentration, ready-to-use solutions keep their antiviral activity in open packaging for 14 days and can be used repeatedly).
- **Septaksin** is not corrosive for metal, does not react to different surface materials nor leave any marks on it.
- It does not irritate upper air passages, does not have an aggressive odor (it can be applied in the presence of patients and employees of medical and preventive institutions).
- It has a detergent effect.
- It does not bleach fabric.

The biocide is produced in plastic containers of 1, 5, 10 liters. The life time of concentrate is 5 years in the closed factory packaging in + 5 +35 °C. It is assumed freezing of the product, Septaksin does not lose its qualities after defrosting and maintains its product life time.

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Septaksin

INSTRUCTIONS FOR USE

These instructions are meant for employees of medical-preventive institutions, employee of disinfection and health-and-disease control services, and also for other institutions and citizens.

1. GENERAL INFORMATION

1.1. Septaksin is a liquid of blue – sky blue colour. It contains QuAT as an active agent. In addition Septaksin contains isopropyl alcohol and other compounds, It's pH is 7.6.

The life expiry is 5 years. The biocide is produced in plastic cans of 0,25, 1, 5, 10, 20, 50, 200 liters.

The product mixes well with water; bit is compatible with soaps, anionic surfactants or synthetic cleaning agents.

The biocide is effective against gram-positive and gram-negative bacterias (including Koch's bacillus), fungi such as Candida and Trichofiton, viruses (influenza, herpes and other ethiological agents of acute respiratory viral infections – ARVI, HIV, hepatitis, rotaviruses and enteroviruses, poliomyelitis). Also Septaksin active against Pseudomonas aeruginosa (blue pus bacillus), salmonella, staphylococcus and special danger infections of cholera, lues, malaria etc. Septaksin has a detergent effect.

1.2. The characteristics of acute toxicity of the concentrate is classified according to the 1999/45/ES. Working solutions 0,25 – 5 % do not irritate and it is not necessary to use eye-shields during work with ready solutions. The product is not allergenic..

1.3. The biocide Septaksin is used for disinfection of surfaces in premises, sanitary appliances and equipment, items of patience care, linens, dishes, for pre-sterilizing cleaning of medical equipment and instruments from different material, in a coupled mode of sterilizing with disinfection (including stomatological instruments, hard and flexible endoscopes and items for them) in medical and preventative institutions (stomatology, surgery, infection, maternity and puerperal, children's departments and hospitals), communal facilities (hotels, hostels, motels, dormitories, saunas, swimming pools, holiday hotels, sanatoriums, sport and fitness complex, fitness –clubs, hair-dresser saloons, children's pre-school and school institutions. In welfare offices and institutions -



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(old-folks houses), penal system organizations (Department of Correction), military units, on railways, vehicles, air transportation, metro; food-processing facilities, (for equipment disinfection and supply lines in non-alcoholic drinks industry) , in water bottling industry, breweries (for removing beer stains), in the dairy industry and meat-processing industry.

Septaksin is also used for disinfection of residual quantities of fecal-urinal deposits in storage containers of stand-alone toilets which do not have sewage disposal and also for disinfection of bio-toilets.

2. MAKING WORKING SOLUTIONS

Working solutions of Septaksin are prepared in containers from any material by mixing the biocide with drinking water according to the calculations showed in table 1.

Making working solutions from Septaksin

Table 1

Concentration of working solution (%) by: product	Number of compounds (ml), volume needed for working solution preparation:			
	1 liter		10 liters	
	biocide	water	biocide	water
0,2	2	998	20	9980
0,3	3	997	30	9970
0,4	4	996	40	9960
0,5	5	995	50	9950
1,0	10	990	100	9900
2,0	20	980	200	9800
3,0	30	970	300	9700
5,0	50	950	500	9500
8,0	80	920	800	9200
10,0	100	900	1000	9000



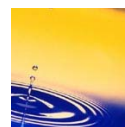
3. APPLICATION OF THE BIOCIDES FOR DISINFECTION PURPOSES

Solutions of Septaksin are used for disinfection of different kind of technological facilities, equipment and boxing on the meat industry enterprises. Septaksin can also be used for disinfection of work place and storage rooms (back regions of the factory). Ready solutions of Septaksin are used according to the “Instruction for cleaning and profilactical disinfection on the meat and poultry-processing industry” i.e. after prewashing and rinsing.

Presence of protein-fatty contaminations on surfaces which have to be disinfected is not acceptable. Water rinsing for 5-10 minutes of disinfection solution residue has to be carried immediately after the disinfection during 5-10 minutes.

3.1. Important to wash (degrease) with alkaline agents and if needed with acidic technical agents for degreasing the protein-fatty contamination from the surfaces before starting the disinfection of working places, sanitary-utility rooms and storage rooms (back regions of the factory) (floors, walls).

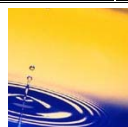
3.2. Disinfection of equipment and room surfaces is carried out after complete removal of solution by tap water according to the cycles provided in the table.



Cycles of disinfection of different objects by biocide Septaksin

Table 2

Objects of disinfection	Rates of Septaksin ready solution		Time of exposure, min.	Method of application
	Concentration % (by the volume)	Temperature, °C		
Serving tables, equipment (meat cutter, sausage meat mixer)	0,5	20	50	Circulation of the solution while machine is on or wiping
Butchering board, conveyor	0,5	20	50	Wiping and irrigation
Boxing (tray, backing tray, scoops and others.)	0,5	20	50	Wiping and irrigation
Floor, walls	1,0	20	25	Wiping and irrigation
Equipment including carving knife	0,5	20	50	Dipping
Detachable parts of equipment (meat machine mincer, cutter and others.)	0,5	20	50	Dipping



3.3. Objects which contact with food raw material (serving table, butcher boards, racks, sausage machines, compressor gun machine etc) are mechanically cleaned from the food residue, degreased with alkaline cleaning solutions and then rinsed under the hot water.

Disinfection is carried out for 60 minutes by 0,5% Septaksin solution using 0,15 liter per 1 sq m surface and then solution residue are washed by water jet or by the tap water during 20 minutes until disinfectant is gone.

3.4. Disinfection of equipment (meat machine mincer, cutter, mixer) is carried out mechanically by filling up the equipment and circulating the 0,5% Septaksin solution for 60 minutes and then rinsed with cold water for 15-20 minutes.

3.5. All detachable parts of equipment (meat machine mincer, syringe, outlet making machines, meat dumping machines, meat grinders etc) are cleaned from the food residue mechanically, degreased by washing with hot alkaline agents solutions and then rinsed under hot water. After that equipment has to be disinfected by dipping it into the portable bath in 0,5% Septaksin solution for 60 minutes and rinsed 15- 20 minutes, and finally rinsed under a water jet or cold tap water until the disinfectant solution residue is gone.

3.6. Preventive disinfection of small equipment and dishware (buckets, trays, small parts of machines etc) is carried by dipping the equipment into a portable bath with 0,5% Septaksin solution for 60 minutes and then rinsed in cold water for 15-20 minutes. Disinfection of big equipment (floor carts, scoop and so on) is carried out by wiping and irrigation of 0,5% Septaksin solution and then 5-10 minutes water rinsing.

3.7. Objects which do not contact food raw material (electric saw, hide removal equipment and other) are disinfected according paragraph 2.3. Specific types of equipment for the meat industry is disinfected with Septaksin according to preparation order of equipment specified in the legal functional "Instruction for wash and preventive disinfection on the meat and poultry industry enterprises" and also according to the paragraphs 3.3., 3.4., 3.5, 3.6, 3.7 current instruction.



3.8. Walls surfaces (tiles), and doors are wiped by waste cloth moistened in 1,0% Septaksin solution for 30 minutes exposition.

3.9. Floor cleaning is carried out monthly by wiping with waste cloth moistened in 1,0% Septaksin solution for 30 minutes exposition.

4. PRECAUTIONS

4.1. Work is to be done by people not younger than 18 y.o. and who have been trained in safety technology.

4.2. During the work on solutions preparation people have to use self prevention facilities (rubber gloves, air-locked glasses), and disinfection work has to be carried out with rubber gloves.

4.3. You have to avoid getting agent into eyes or on the skin.

4.4. Surfaces disinfection by working solutions of Septaksin by wiping can be carried out in presence of patients.

Surfaces disinfection by spraying can be carried out in presence of patients using individual prevention facilities for respiratory organ – all-purpose respirator type RPG-67 or RU-60M with socket type B and for eyes protection – air-locked glasses.

4.5. The biocide should be kept in the airproof factory packaging in temperatures from 0°C to +35°C separate from the medications and in places where children cannot reach it.

5. FIRST AID IN CASE OF ACCIDENTAL POISONING

5.1. When the concentrate gets into eyes, rinse them with a lot of flowing water for not less than 15 minutes and drop in 30% solution of sulfacyl sodium (sulfacetamid), seek help from the ophthalmologist.

5.2. When biocide gets to the skin wash it with a lot of water. Do not use cream or other medications.

5.3. When biocide or its solutions get to the stomach drink 200 – 500 ml cold water. Drinking water is necessary only if person feels pain in the mouth and throat. If there is a pain in the mouth rinse with water. Do not take activated carbon. Do not induce vomiting!



6. PHYSICOCHEMICAL AND ANALYTICAL CONTROL METHODS OF DISINFECTION AGENT SEPTAKSIN

6.1 Septaksin is controlled by following quality indexes: appearance, smell, density of disinfectant, level of hydrogen ions in concentrate (pH).

6.2. Appearance identification.

Appearance of the biocide is judged by visual check of running sample placed in the glass 100 cm³ – on the white background, colour of the agent is from blue to sky-blue..

Index norm of biocide Septaksin

Table 3 shows controlled indexes and norms for each of them

Table 3

№	Index name	Norm
1	Appearance	See-through liquid blue – sky-blue colour
2	Density of disinfectant in 20°C, g/cm ³ , within	1,000-1,015
3	Activity index of hydrogen ions for concentrate, pH, within	7,6±1,4

6.3. Density identification of Septaksin.

Density identification measured by densimeter (areometer).

6.4. Index identification of hydrogen ions (pH).

6.4.1. Equipment, dishware.

Laboratory pH- millivolmeter, pH-340 or other type.

Glass B-1-100.

6.4.2. The measurements to carry out.

To identify activity index of hydrogen ions pH of Septaksin is carried out on the pH-meter according to the instruction attached to the facility.

