

A TOOL FOR SANITARY AND MEDICAL DISINFECTION OF SURFACES

“DEZAVI D – S”

APPLICATION INSTRUCTION

No. D-001/2 of 23.07.2003



Certificate of the State Sanitary-Epidemic Service of the Russia
№ 77.99.36.2.У.14836.12.05 of 22.12.2005



Certificate of the Government Standards
№ POCC RU.XΠ09.B01109 of 30.01.2006 г.

1. GENERAL

1.1. The preparation is a colorless transparent liquid. It contains as active agents (AA) alkyldimethylbenzylammonium chloride (quaternary ammonium salts - QAS), polyhexamethylene guanidine (PHMG), and drinking water.

The expiry period is 3 years if the manufacturer's packaging is not opened, the expiry period of working solutions is 7 days.

1.2. The preparation has microbicide activity as regards bacteria (including mycobacteria of tuberculosis), viruses and fungi.

1.3. By high toxicity parameters the preparation falls into the 4th class of low hazard substances when entering the stomach or hitting the skin, is low hazard when its volatile components are inhaled, its concentrate does not cause local irritation if affecting the skin or mucous membranes of eyes once, does not have sensibilizing action. Its working concentrates, if applied ones do not cause local irritation, but can lead to dryness of the skin when affecting it repeatedly.

1.4. The preparation is designed to disinfect open surfaces inside the premises, hard furniture, sanitary, linen, crockery, patient-care items, toys, cleaning inventory and rubber carpets when infected by bacteria, including tuberculosis, viruses or fungi (i.e. candidosis or dermatophytosis) in medical prophylactic and child care institutions, in public places, like hotels, hostels, barracks, spas, swimming pools, sports facilities and barber's/ hairdresser's saloons, in cafes and restaurants, in industrial marketplaces, in social welfare and penitentiary institutions.

2. PREPARATION OF WORKING SOLUTIONS

2.1. Working solutions of the preparation are prepared in enamel (enamel must be flawless), glassy or plastic ware by adding required amounts of the preparation to drinking water of room temperature (See: Table 1).

Table 1. Preparation of working solutions

Concentration of a working solution, (%)			Amounts of the concentrate and water (ml) required to prepare:			
			1 liter of the solution		10 liter of the solution	
by preparation	By Dezavid		the preparation	water	the preparation	water
	QAS	PHMG				
0,5	0,0025	0,0135	5	995	50	9950
1,0	0,0050	0,0270	10	990	100	9900
3,0	0,0150	0,0810	30	970	300	9700
5,0	0,0250	0,1350	50	950	500	9500

3. APPLICATION OF THE PREPARATION

3.1. Solutions of the preparation are used to disinfect indoor surfaces (floor, walls, hard furniture, instruments, etc.), patient-care items (made of metals, glass, plastic, rubber), crockery, linen, rubber carpets, cleaning inventory and sanitary (bath tubs, sinks, lavatory pans, etc.).

Disinfection of objects is made by rubbing, immersion, soaking or sprinkling.

3.2. Indoor surfaces (floor, walls, doors, etc.), hard furniture, surfaces of instruments and equipment ought to be sprinkled twice at 15 minutes interval by water calculated as 300 ml per 1 cubic meter of surface with a water cannon or automax, or rubbed with rags moistened in the preparation solution calculated as 100 ml of the working solution per 1 cubic meter.

3.3. Sanitaries (bath tubs, sinks, lavatory pans, etc.) ought to be sprinkled twice at 15 minutes interval with water calculated as 300 ml per 1 cubic meter of surface with a water cannon or automax, or cleansed with a brush, or a wire brush, or rubbed with rags moistened in the preparation solution calculated as 200 ml of the working solution per 1 cubic meter of the cleansed surface. Rubber carpets ought to be disinfected by rubbing with rags moistened in the preparation solution or by immersing in the grout of the preparation.

3.4. Patient care items ought to be immersed fully in a soak with the working solution of the preparation or rubbed with rags moistened in the disinfecting solution.

3.5. Plates and dishes ought to be cleaned of leftover and immersed fully in the working solution of the preparation calculated as 2 liters per 1 set. The soak should be tightly covered with a lid.

3.6. Linen ought to be soaked in the working solution of the preparation calculated as 5 liters per 1 kilo of dry linen. The soak should be tightly lidded. Upon completion of disinfection the linen should be laundered and rinsed.

3.7. Cleaning instruments like rugs, etc. ought to be soaked in the working solution of the preparation and tightly lidded.

3.8. Tables 2 – 6 show disinfection modes of various items in medical and sanitary institutions.

3.9. Indoor surfaces, hard furniture and sanitary in hotels, hostels, clubs and other public places should be treated with a 1% solution of the preparation and kept under disinfection for 30 minutes. The above mentioned items in penitentiary institutions are to be kept under disinfection for 60 minutes.

3.10. Treatment of items in spas, swimming pools, sports facilities, sanitary inspection rooms and barber's/hairdresser's saloons ought to be performed along the modes recommended in Table 5.

Table 2. Modes of disinfection of various objects infected by bacteria (excluding tuberculosis)

Disinfected objects	Concentration of the working solution (by preparation),%	Disinfection time, min.	Disinfection mode
Indoor surfaces, hard furniture	0,5	60	Rubbing
	1,0	30	
	1,0	60	
Sanitary	1,0	60	Sprinkling
			Rubbing or double sprinkling at 15 min interval
Plates and dishes	1,0	30	Immersion

Bed linen	3,0	30	Soaking
Cleansing instruments	3,0	90	Soaking
Toys	0,5	60	Rubbing or immersion
Patient care items clean of blood or other biological substances	0,5	60	Rubbing or immersion

Table 3. Modes of disinfection of various objects infected by tuberculosis

Disinfected objects	Concentration of the working solution (by preparation),%	Disinfection time, min.	Disinfection mode
Indoor surfaces, hard furniture	5,0	60	Rubbing Sprinkling
Sanitary	5,0	60	Rubbing or double sprinkling at 15 min interval
Plates and dishes	5,0	60	Immersion
Linen	5,0	60	Soaking
Cleansing instruments	5,0	60	Soaking
Toys	5,0	60	Rubbing or immersion
Patient care items clean of blood or other biological substances	5,0	60	Rubbing or immersion

Table 4. Modes of disinfection of various objects infected by candidosis

Disinfected objects	Concentration of the working solution (by preparation),%	Disinfection time, min.	Disinfection mode
Indoor surfaces, hard furniture	3,0	60	Rubbing
Sanitary	3,0	60	Rubbing or double sprinkling at 15 min interval
Plates and dishes	3,0	60	Immersion
Linen	3,0	60	Soaking
Cleansing instruments	3,0	60	Soaking
Toys	3,0	60	Rubbing or immersion

Patient care items clean of blood or other biological substances	3,0	60	Rubbing or immersion
---	-----	----	----------------------

Table 5. Modes of disinfection of various objects infected by dermatophytosis

Disinfected objects	Concentration of the working solution (by preparation),%	Disinfection time, min.	Disinfection mode
Indoor surfaces, hard furniture	3,0	60	Rubbing Sprinkling
Sanitary	3,0	60	Rubbing or double sprinkling at 15 min interval
Linen	3,0	60	Soaking
Cleansing instruments	3,0	60	Soaking
Rubber carpets	3,0	60	Rubbing or immersion
Toys	3,0	60	Rubbing or immersion
Patient care items clean of blood or other biological substances	3,0	60	Rubbing or immersion

Table 6. Modes of disinfection of various objects infected by viruses (hepatitis A, B, C, HIV)

Disinfected objects	Concentration of the working solution (by preparation),%	Disinfection time, min.	Disinfection mode
Indoor surfaces, hard furniture	5,0	60	Rubbing Sprinkling
Sanitary	5,0	60	Rubbing or double sprinkling at 15 min interval
Linen	5,0	30	Soaking
Bed linen soiled with blood, blood serum, etc.	5,0	90	Soaking
Toys	5,0	60	Rubbing or immersion
Patient care items made of metals, plastic, rubber, glass	5,0	60	Rubbing or immersion

4. SAFETY PRECAUTIONS

If the preparation hits the eyes rinse them with water.

If the preparation enters the stomach drink several glasses of water with 10-20 crushed tablets of activated charcoal.

5. TRANSPORTATION AND STORAGE.

5.1. The preparation may be transported by all types of transport in accordance with the rules of transportation that are in effect for each type of transport and guarantee undamaged packaging.

5.2. The preparation ought to be stored in hermetic packages from the manufacturer in places hidden from direct sunlight with temperatures of 0 to 35 degrees Celsius.

5.3. In case of incidental leak or spill of the preparation it ought to be diluted by a big portion of water or adsorb by an absorbent (sand, silica gel or sawdust).

	Name of the preparation	Manufacturer	Specification	Range of activity						Concentration of the working solution, %	
				Bacteria	TB agent	Fungi	Viruses			For prophylactic disinfection and washing	For disinfection based on epidemiologic evidence
							Flu and other viral respiratory infections	hepatitis	HIV		
1	2	3	4	5	6	7	8	9	10	11	12
1	"DEZAVI D"	"Adequate Technologies, Ltd"	9392-001-49340960-2003	+	+	+	+	+	+	0,5 - 1	3-5