



INSTRUCTIONS FOR USE

GLUTARQUAT

CONCENTRATE FOR HIGH-LEVEL DISINFECTION AND CLEANING OF WATER- RESISTANT SURFACES



Field of application

Glutarquat is intended for manual or machine cleaning and disinfection of various water resistant (plastic, metal, ceramic, sanitary ware, glass, painted wood, etc.) surfaces in risk areas of healthcare institutions (operation rooms, wards, children's and neonatal wards, external surfaces of medical equipment, laboratory glassware and utensils), surfaces in public places (schools, kindergartens, social institutions, hotels, beauty and sport facilities), surfaces in pharmaceutical and cosmetic industry.

Properties

Glutarquat is a powerful biocide that combines the disinfectant action of glutaraldehyde and quaternary ammonium salts. It demonstrates a broad spectrum of germicidal activity at a low concentration of the working solution. Its active ingredients are biodegradable. It contains corrosion inhibitors and various waterproof materials can repeatedly be treated without being damaged. The product combines cleaning and disinfecting action. Its working solutions are pleasantly scented and can be used up to 14 days after preparation.

Appearance:	Colorless to pale yellow liquid
pH (concentrate)	3.0 – 5.0
Density	1.0 – 1.03 g/cm ³

Ingredients

Each 100 g Glutarquat contain:

Active substances:

- 12.5 g Glutaraldehyde (CAS 111-30-8)
- 5.0 g C12-16 alkylbenzyltrimethyl ammonium chlorides (CAS 68424-85-1)
- 5.0 g Didecyltrimethyl ammonium chloride (CAS 7173-51-5)

Auxiliary ingredients:

Corrosion inhibitors, chelating agents, non-ionic surfactants, solvent, scent.



Spectrum of activity

Glutarquat possesses bactericidal (*incl.MRSA*), mycobactericidal (*incl. TBc*), fungicidal, virucidal and sporicidal activity.

Microbiological activity	Concentration (%)	Test method	Exposition
Bactericidal and fungicidal (<i>P.aeruginosa, S.aureus, E.coli, C.albicans</i>)			
Low organic load	0.25	EN 13697	30 min
High organic load	0.25		60 min
	0.50		30 min
Bactericidal			
(<i>MRSA, P.aeruginosa</i>)	0.50	EN 1040	5 min
Mycobactericidal/tuberculcidal (<i>M. avium, M. Terrae</i>)			
Low organic load	1.00	EN 14348	30 min
High organic load	1.00		60 min
Virucidal (<i>Adeno, Polio</i>)			
Low organic load	0.50	EN 14476	10 min
High organic load	1.00		10 min
Virucidal (<i>Vaccinia, Herpes, Influenza A, HBV/HCV/HIV</i>)	0,50		10 min
Sporicidal (<i>Bacillus subtilis, Bacillus cereus</i>)	1.00	EN 14347	60 min

Method of application

Glutarquat is supplied as a concentrate and must be applied in accordance with the recommended concentrations and exposure time (see Dosing table).

When preparing the working solutions use appropriate personal protective equipment (gloves, safety goggles, rubber apron). Prepare the working solutions in rooms with good natural ventilation. All solutions should be kept in closed containers, before use, in order to avoid vaporization of glutaraldehyde.

Use the supplied measuring cup for quick and easy preparation of the working solution. Pour the desired amount of water in the vessel and gradually add the required amount of concentrate. Stir gently. There are no requirements with regard to water hardness. Cleaning and disinfection are carried out by wiping, soaking or dipping.

Disinfection by immersion should be carried out in closed container.

Dosing table

TARGET	Microbiological activity	Concentration of working solution (%)	Exposition
Disinfection and cleaning of various water resistant surfaces	Bactericidal (<i>incl.MRSA</i>) and fungicidal	0.25	60 min
		0.50	30 min
	Mycobactericidal (<i>incl. TBc</i>)		
	Low organic load	1.00	30 min
	High organic load	1.00	60 min
	Virucidal		
	Low organic load	0.50	10 min
	High organic load	1.00	10 min
Sporicidal		1.00	60 min



When Glutarquat is applied for disinfection of surfaces entering into contact with food, they have to be carefully washed with water.

Storage conditions.

Store in tightly closed original container in a dry and ventilated area, protected from direct sunlight at temperatures from 2 to 40° C. Keep out of reach of children.

Precautions and instructions:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. If swallowed, do not induce vomiting, immediately seek medical advice and show this container or label. For more details consult the Safety Data Sheet.

Treatment of waste and packaging – according to local regulations

Do not release the concentrate in the environment – for disposal of waste, residuals and empty packaging see special instructions in the safety data sheet.

Packing:

Tubes 3, 5, 10 L and vials 1000 ml

Shelve life:

2 years

ZHIVAS LTD

14 Assen Jordanov Blvd.1592 Sofia, BULGARIA
Tel/fax: +359 2 9817823, +359 2 9802507
zhivas@techno-link.com; www.zhivas.com

