

# BIOSPOT

## CHLORINE - ACTIVE DISINFECTANT TABLETS

Authorization of the Italian Ministry of Health N° 17111



### GENERAL DESCRIPTION

**BIOSPOT** is a Sodium Dichloroisocyanurate based disinfectant in tablets containing 33% of active Chlorine. When dissolved in water, **BIOSPOT** releases hypochlorous acid for a quick disinfection. The hypochlorous acid released by **BIOSPOT** is present in water solution at a 6.0-6.5 pH that makes the disinfecting action faster than the one of normal bleach (sodium hypochlorite).

**BIOSPOT** is used for the general disinfection in hospitals, clinics, schools and food industry.

**BIOSPOT** is ideal for the disinfection of floors, walls, kitchens and toilets.

It can be used in food industry for disinfecting tanks, pipes, assembly lines and tools in general.

**BIOSPOT** is indicated for disinfection of hospital equipments but not for surgical instruments when the absolute sterility and a sporicide effect are required.

**BIOSPOT** has many advantages:

- long time stability
- safe use
- very easy to prepare the solution
- corrosion effect weaker than other chlorine-active products

**BIOSPOT** can be used in combination with a few detergents of the KEMIKA line (see below) to make an effective chlorine based disinfectant detergent.

**BIOSPOT** meets requirements of the norms UNI-EN 1276, UNI-EN 13697, UNI-EN 1650, UNI-EN 14476 for Bactericide-Fungicide and Virucide activity. The certifications are available on request.

### DIRECTION FOR USE

**BIOSPOT** is available in 3,25 grams tablets and in 1 gram tablets. Each 3.25 g tablet contains 33% of available chlorine, equivalent to 1 g of available chlorine. The 1 gram tablets contains 0.33 grams of available chlorine.

The concentration of disinfectant is different depending on the application and on the surface condition. A 100 ppm concentration of available chlorine is usually considered enough for a normal disinfection in the most part of the above mentioned applications.

A 200 ppm concentration of available chlorine equivalent to a 3.25 tablet in 5 l of water is normally suggested for a greater safety.

The contact time suggested is at least 1 minute.

**BIOSPOT** is available also in 1 g tablets to be used for disinfection of WC after cleaning. That application does not need a big amount of chlorine and the 1 g version allows a good saving.

The following table indicates the concentration of **BIOSPOT** for the different applications.

If not differently indicated the number of tablets is referred to the 3.25 g tablets.

In case of Pandemic Sars use	1 tablet in 1 l of water	1000 ppm
Surgery room surfaces already cleaned	2 tablets in 5 l of water	400 ppm
Surgery room surfaces not cleaned	3-4 tablets in 5 l of water	600-800 ppm
Diagnostic and therapeutic equipments perfectly cleaned (thermometers, catheters, tubes)	1 tablet in 1 l of water	1000 ppm
Floors and surfaces in rooms and corridors	1 tablets in 5 l of water	200 ppm
Microbiology laboratory tools and surfaces	2 tablets in 1 l of water	2000 ppm



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Food industry tools and surfaces	1-2 tablets in 5 l of water	200-400 ppm
For washing of fruits, vegetables, eggs	1-2 tablets of 1 g in 10 l of water	30-60 ppm
Fungicide effect (showers, food industry, dermatology departments)	7 tablets in 10 l of water	700 ppm

The public Health Authority of England in case of Coronavirus infections recommends for surfaces disinfection 1000 ppm (1 tablet in 1 litre of water)

The Howie Code of Practises recommends the following concentrations

Kitchen tools, dishes, floors, toilets	1 tablet / 7.5 l of water	140 ppm
Disinfection of laboratory tools and surfaces	1 tablet / 1 l of water	1000 ppm
Laboratory glassware and sink	1 tablet / 0.4 l of water	2500 ppm
Blood-stained things	1 tablet / 0.1 l of water	10000 ppm

**BIOSPOT** can be added to solutions prepared with one of the following Kemika detergents.

For normal disinfection is recommended 1 tablet of 3.25 g for 5 l of detergent solution. With detergents as GRIT, GRIT INODORE, ALKADER, FLUID, PINOSAN, SANOKEM the solution keeps the disinfectant power for 1 hour since the moment of solution preparation.

For PRESTOK SYSTEM and generally for floor washing in hospital or clinics use detergent STABIREK SUPER C of low residues detergents as TOC, TOC ECO or TOC SUPER C.

With these products the Hypochlorous acid released by BIOSPOT is stable for 24-48 hours from the moment of the solution preparation.

*For floors use Mops or flat Mops. For surfaces apply possibly with a Microfiber cloth. Apply the solution and let dry.*

## TECHNICAL DATA

### Composition

Sodium Dichloroisocyanurate	53%
Sodium bicarbonate	24%
Fatty acid	Up to 100%
Aspect	White tablets of 3.25 g or 1 g
pH	Non applicable
Available chlorine (33%)	1 g for 3.25 g tablet - 0.33 g for 1 g tablet
Apparent Specific weight	1.030 g/ml

Marketed by KEMIKA SPA Via G.Di Vittorio, 55 - CO.IN.OVA 2 Ovada (AL).

Produced by HYDRACHEM LTD - Billingham West Sussex – England.

## WARNINGS

### Labelling



### Warning

Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects. Contact with acids liberates toxic gas. Warning! Do not use together with other products. May release dangerous gases (chlorine).

The product is subject to ADR regulations: **UN 3077 Class 9 GI III.**

Ready carefully the safety data sheet before use

Valid for 5 years from the date of manufacture



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