

# Sanosil S015

All-Purpose Disinfectant  
Concentrated Product



## Short info:

### Suitability:

-Water disinfection, pipe and tank desinfection  
- Surface disinfection, aerosol disinfection,  
room disinfection, spray disinfection

### Product type:

concentrated

### Effectiveness:

-Bacteria, viruses, yeasts and fungi, bacterial  
endospores, biofilm

**Shelf life:** 2 years

### Active ingredients:

7.5% Hydrogen peroxide, 0.0075% silver

**Symbol :**



## Description

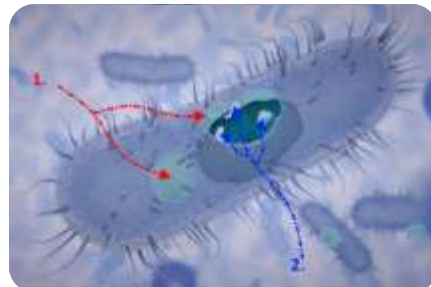
Sanosil S015 is a disinfectant concentrate suited for surface, aerosol and water disinfection.

Sanosil S015 is preferably used for water and/or pipeline disinfection but may also be applied diluted (usually at a rate of 1:4 – 1:1) as a surface disinfectant. In concentrated state, Sanosil S015 is used to combat bacterial endospores.

## Working Principle

The active substance used is hydrogen peroxide, an environment friendly substance. In a complex manufacturing procedure, the active substance is stabilized and boosted with silver, thus achieving a greatly improved effectiveness against micro-organisms. The traces of silver remaining on the treated surfaces are not visible and non toxic. However, they efficiently inhibit a renewed contamination.

The elemental oxygen (O<sub>2</sub>) **1.** separated by the hydrogen peroxide attacks the cell walls of the micro-organisms directly. The chemical reaction between the oxygen and the cell wall molecules will cause these to be denatured and destroyed. This effect is intensified by the silver ions **2.** which form a bond with the disulfide bridge of certain proteins of micro-organisms, thereby inactivating or precipitating these proteins.



## Application

The diluted solutions of Sanosil S015 are particularly well suited to the disinfection of contaminated surfaces. Soiled surfaces should be previously cleaned in order to ensure perfect disinfection. The better the cleaning procedure (for example with high pressure cleaner, brush and soap water) the more effective the subsequent disinfection.

## Recommended dosage – overview

15% = to combat bacteria, viruses, yeasts and fungi (low-degree contamination, thoroughly cleaned)  
20% = ... (low-degree contamination, well cleaned)  
40% = .... (high-degree contamination)  
75% = to combat mould (mycelium), bacteria, yeasts and fungi (very high contamination)  
80-100% = to combat bacterial endospores

6600 ml/m<sup>3</sup> = Pipeline and tank disinfection (shock disinfection)

160 – 660 ml/m<sup>3</sup> = water disinfection (cooling tower, air washers, irrigation systems, etc.)

## Surface Disinfection

Dilution	Dosage / m <sup>2</sup>	Field of application
1 part Sanosil S015, 4 parts water	50 – 100 ml	contaminated surfaces with an average organic contamination (i.e. food processing industry, kitchens, bathrooms, saunas, etc)
1 part Sanosil S015, 2 parts water	70 – 150 ml	contaminated surfaces with a high organic load

1. Dilute Sanosil S015 immediately before use as per the above table.
2. Apply the dilution with a sprayer (Sanospray, EasyFog, etc.) or a mop on the surface.
3. Let it dry, rinsing not required.\*

\* National/local regulations concerning the application of disinfectants are to be observed strictly.

### Contact time (approximate value):

Bacteria, mould: 15 min.  
Virus, yeast, fungi: 60 min.

## Disinfection by Immersion

For the disinfection of working tools such as joints, screw fittings, utensils, cutting boards, etc. a disinfection solution in which tools and parts can be immersed is convenient. The solution can be re-used but should be renewed after a week.

1. Dilute Sanosil S015 **1:4 (1 part S015, 4 parts water)**.
2. Immerse the tools and parts into the dilution and leave them for left 2 - 4 hours.
3. Take the tools and parts out of the dilution and let them dry. Rinsing is not required.

## Water systems

In tanks, pipelines, drinking water equipment: Prepare a disinfectant solution: **6.6 l Sanosil S015 on 1000 l water**. Fill the water system with the disinfectant solution and leave for 12-24 hours. Afterwards the disinfection solution can be safely disposed of in the sewage system.

## Water disinfection

For disinfection and preservation of process water, spray water, rinsing water, washing water, etc., we recommend a disinfectant quantity of **150 - 660 ml per m<sup>3</sup>** of water. Depending on the germ type and count, the contact time is **15 minutes to 12 hours**.

For drinking water treatment with Sanosil S015, the individual conditions have to be examined beforehand in order to determine the exact dosage quantity. The microbiological values must also be monitored. Our experts will be happy to advise you. The initial dosage depends on the water quality, germ load, temperature, potential time of action and surface structure of the water system. Please consider that the mentioned parameters may accelerate the decomposition of the disinfectant into water and oxygen. The upper limit for the content of Sanosil S015 measured in the sample water on the tapping point is max. **224 ml Sanosil S015 / m<sup>3</sup>** (critical value as per EU-regulation).

## Range of Equipment

When applying the disinfectant with spraying equipment, make sure that all parts of the equipment coming in contact with the disinfectant are made of chemical-resistant materials (hydrogen peroxide-resistant). Sanosil Ltd. offers a range of tested equipment. The technical descriptions of the various types of equipment are available upon request.



**SANOSIL**  
DISINFECTANTS FOR LIFE

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Our operating instructions, both oral and written, are based on extensive tests. Our advice is given to the best of our existing knowledge but is not binding insofar as the application and the storage conditions lie beyond our direct control. The description of the products and details of the properties of the compounds do not subsume any liability for damage.