

Sanosil Super 25

All-Purpose Disinfectant
High concentrated Product



Short info:

Suitability:

- Water disinfection, pipe and tank disinfection, cooling tower treatment
- Surface disinfection, aerosol disinfection, spray disinfection

Product type:

high concentrated product

Effectiveness:

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

Shelf life:

2 years

Active ingredients:

50% Hydrogen peroxide, 0.05% silver

Safety Precautions:

(R and S Phrases)
R20/22, R34, S23, S26, S36/37/39, S45, S51

Symbol :

C, O

Description

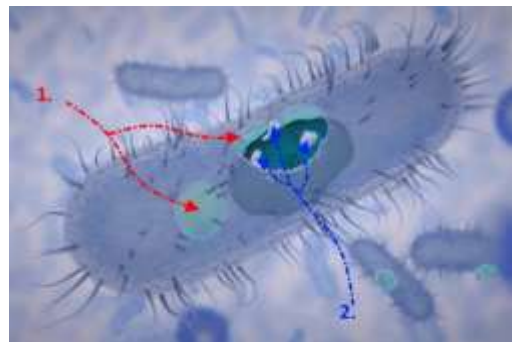
Sanosil Super 25 is a disinfectant concentrate for professional users, suited for surface, aerosol and water disinfection.

Sanosil Super 25 is preferably used for water and/or pipeline disinfection but may also be applied as a surface disinfectant (usually at a rate of 3% - 15%)

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_2) 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 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 Super 25 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 is, (for example with high pressure cleaner, brush and soap water) the more effective the subsequent disinfection.

Recommended dosage – overview

- 2% = to combat bacteria, viruses, yeasts and fungi (low-degree contamination, thoroughly cleaned)
- 3% = ... (low-degree contamination, well cleaned)
- 6% = (high-degree contamination)
- 10% = to combat mould (mycelium), bacteria, yeasts and fungi (very high contamination)
- 12-15% = to combat bacterial endospores

1000 ml/m³ = Pipeline and tank disinfection (shock disinfection)

25-100 ml/m³ = water disinfection (cooling tower, air washers, irrigation systems, etc.)

1. Surface Disinfection

Dosage	Dosage / m ²	Field of application
1 part Super 25, 32 parts water	50 – 100 ml	Contaminated surfaces with a normal organic contamination (i.e. food processing industry, kitchens, bathrooms, etc.)
1 part Super 25, 15 parts water	70 – 150 ml	Highly contaminated surfaces with a high organic load

1. Dilute Sanosil Super 25 is as per table immediately before use
2. Apply with a sprayer (Sanospray, EasyFog, etc.) or a mop on the surface to be treated.
3. Let 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
Viruses, yeasts and fungi: 60 min.

2. 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. Dilute Sanosil Super 25 **1:32 (1 part Sanosil Super 25, 32 parts water)**. The tools and parts to be disinfected should be left **2 - 4 hours** in the solution. The solution can be re-used. After a week it should be renewed.

3. Water systems

Tanks, pipelines, drinking water equipment, etc: Preparing a disinfectant solution: **1 l Sanosil Super 25 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.

4. Water disinfection

For disinfection and preservation of process water, spray water, rinsing water, washing water, etc., we recommend a disinfectant quantity of **25-100 ml per m³** of water. Depending on the germ type and count, the contact time is **15 minutes to 12 hours**.

For drinking water treatment with Sanosil Super 25, 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 Super 25 measured in the sample water on the tapping point is max. **34 ppm/ ml/m³Sanosil Super 25** (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.



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Use biocides safely. Always read the label and product information before use.

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.