Sanosil S010

Ready-to-use disinfectant for aerosol application

Short info:

Suitability:
- Surface disinfection, aerosol disinfection, room disinfection, spray disinfection

Product type:
- Ready to use

Effectiveness:
- Bacteria, viruses, yeasts/fungi, mould, bio-film/bacterial slime

Contact time: 1 - 60 min.

Shelf life: 2 years

Active ingredients:
6.1g/100g Hydrogen peroxide,
0.0084mg/100g Silver

Description

Sanosil S010 is an extra strong surface disinfectant with a remarkable depot effect. It is based on the proven Sanosil H_2O_2-Ag formulation, which also makes it suited for special applications like aerosol atomisation (in combination with the Sanosil Q-Jet dry fogger or Sanosil Easy Fog).
Sanosil S010 contains the highest concentration of active ingredients of all ready-made Sanosil products and is therefore also used successfully for shock disinfection of highly polluted surfaces, e.g. in germ-infested air conditioning systems.

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.

Please note:

Even though Sanosil S010 is also suitable for surfaces with higher organic load, the disinfectant effect is increased many times over by a preferably thorough cleaning. The more thorough the surfaces to be disinfected are cleaned beforehand, the more effective any subsequent disinfection.

Aerosol disinfection

Fogging or aerosol disinfection is used wherever large volumes have to be treated completely in a short time.
The application of S010 in combination with Sanosil Q-JET (or equivalent) is popular especially in humane, veterinary and dental medicine. Aerosol disinfection is the method of choice thanks to the complete surface coverage especially in the fight against resistant microorganisms like MRSA or germ contamination of uncertain sources. Tiny drops of the disinfectant are hereby fogged and distributed in the air with the help of a suitable cold fog system. The drops of disinfectant develop their effect when they touch the surface to be cleaned. This allows not only time-saving treatment of entire rooms but also the disinfection of otherwise hardly accessibly corners and cracks.

Aerosol disinfection with the Sanosil Q-Jet dry fogger

1. Clean the room to be treated as thoroughly as possible with water and a cleaning agent. Particularly contact points like handles, water taps, door leafs, operating elements of technical/electronic devices (keyboards, touchpad's) and the like require especially careful cleaning
2. Please ensure that Sanosil Q-Jet has a functioning electric power supply and sufficient Sanosil S010 has been filled in the tank, all windows are closed, the ventilation is turned off and that there are no persons in the room.
3. Calculate the volume of the room to be treated (L x W x H) and check the table for the suitable fogging time. Set the time at the Sanosil Q-Jet with the selector. The dosage per cubic metre of cleaned room is approx. 8 ml.
4. Start the Sanosil Q-Jet and leave the room. Close the door. The Sanosil Q-Jet will now atomise the S010. Do not enter the room for at least 2 hours. After that time, you may activate the ventilation again and enter the room normally without any additional measures.

Aerosol or spray disinfection with Sanosil EasyFog / PowerFog

The Sanosil EasyFog or PowerFog is operated and adjusted manually. The droplet size can be adjusted but will generally be larger than with Sanosil Q-Jet . This means that on the one hand, a higher quantity of disinfectant can be applied but on the other hand only a part will be in the air as a fine aerosol because of the bigger weight of the droplets. The devices must therefore be moved and adjusted during application. Depending on the setting, the EasyFog / PowerFog can be used for spray as well as aerosol disinfection.

2. Clean the rooms/surfaces to be treated as thoroughly as possible with water and a cleaning agent.
3. Fill the Sanosil EasyFog / PowerFog with Sanosil S010.
4. Close doors and windows, put on suitable protective gear (eye and respiratory protection).
5. Start the device and adjust the flow so that the droplet size meets your requirements (cold fog – atomised spray).
6. Move around the room with the device to evenly distribute the fog. Start with the rear parts of the room and move backwards toward the exit.
7. Leave the room and do not enter it for at least 2 hours. After that time, you may enter the room normally without any additional measures.
8. Drain any residue of S010 from the device and flush it with water.

Sanosil Q-JET

PowerFog

EasyFog

Additional applications of Sanosil S010

1. Sanosil S010 for mould renovation: application brochure Des P 121
2. Sanosil S010 for heavy contaminated surfaces: application brochures Des P 112

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DISINFECTANTS FOR LIFE

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