

DISINFECTANT AGAINST CORONAVIRUS 2019-NCOV SANOSIL S010



Description

Sanosil S010 is an extra strong surface disinfectant with a remarkable depot effect. It is based on the proven Sanosil H₂O₂-Ag formulation, which also makes it suited for special applications like aerosol atomisation.

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.

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

Safety Precautions: R36,
S1/2, S3, S17, S23, S26, S28 S36/37/39

Symbol : Xi

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 (O₂) 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. 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 accessible corners and cracks.



J & D Water Consultants

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Registered in England and Wales



Applications for disinfectants in professional settings:

The following applications always require professional surface disinfection:
Food industry (work areas, production rooms).
Pharmaceutical industry, laboratories.
Medicine and home care (hospitals, doctors' practices, nursing homes).
Veterinary applications (practices).

Applications for disinfecting surfaces in private settings:

Private settings include:
Offices / Industry / Hotels.
Administration buildings, Reception desks.
Schools, Nurseries, Colleges
Households.



Optimal use of disinfectants: where?

Which surfaces should be treated with disinfectants?

How to disinfect surfaces? What should be disinfected, when, how, by whom and with what — all of this must be specified in a **hygiene plan**. A hygiene plan typically includes all surfaces which a) are exposed to **elevated contact with pathogenic materials**, and b) which are exposed to **frequent skin contact**. (Contact surfaces).

Examples of surfaces in **risk areas** which may be considered for disinfection:

- Floors and work surfaces.
- Frequently touched surfaces (door handles, balustrades).
- Sanitary facilities (toilets, sinks, taps).
- Treatment surfaces (couches, beds).
- Medical equipment.



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Comparison of disinfectants for surfaces in healthcare

Rating	Sodium hypochlorite	Alcohols	QACs	Aldehydes	Peracetic acid	Glutaraldehyde	Guanidines	Sanosil S003	Sanosil S010
Degradability/environmental compatibility	MODERATE (AOX)	GOOD	POOR	POOR	GOOD	POOR	POOR	GOOD	GOOD
Depositing effect	NO	NO	NO	NO	NO	NO	NO	YES	YES
Enhances antibiotic resistance	NO	NO	YES	NO	NO	NO	NO	NO	NO
Corrosion problems	YES	NO	NO	YES	YES	NO	NO	RARELY	RARELY
Resistance development	NO	NO	YES	YES	NO	YES	YES	NO	NO
Contaminant capacity	MODERATE	GOOD	MODERATE	MODERATE	MODERATE	MODERATE	MODERATE	MODERATE	MODERATE
Dermatological compatibility	POOR	GOOD	GOOD	POOR	POOR	POOR	POOR	GOOD	MEDIUM
Application on large surfaces	YES	NO	YES	YES	YES	YES	YES	YES	YES
Bactericidal + yeasticidal	YES	YES	YES	YES	YES	YES	YES	YES	YES
Fungicidal	MODERATE	MODERATE	GOOD	MODERATE	GOOD	MODERATE	MODERATE	MODERATE	GOOD
Sporicidal	YES	NO	YES	NO	YES	YES	NO	NO	YES
Virucidal	YES	PARTIALLY	YES	YES	YES	NO	NO	PARTIALLY	YES
Score comparison	15	16	15	10	17	12	10	18	22



Score: +2 +1 0

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