

VGS Ready-to-use disinfectant for aerosol application

**Suitability:**

Surface disinfection, aerosol disinfection, room disinfection, spray disinfection.

Product type:

Ready to use.

Effectiveness:

Bacteria, viruses, yeasts/fungi, mold.

Contact time: 1 - 60 min.

Shelf life: 2 years

Authorizations (Switzerland): CHZB2204

Active ingredients:

5% Hydrogen peroxide,
0.005% Silver

Description

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

The solution contains the highest concentration of active ingredients of all ready-made solution 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 environmentally friendly substance. In a complex manufacturing procedure, the active substance is stabilized and boosted with silver, thus achieving a greatly improved effectiveness against microorganisms. The traces of silver remaining on the treated surfaces aren't 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 microorganisms 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 microorganisms, thereby inactivating or precipitating these proteins.

Notice:

Although the solution is also suitable for surfaces with a 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 will be.

Aerosol Disinfection

Fogging or aerosol disinfection is used wherever large volumes must be treated completely in a short time.

The application of the solution 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 droplets 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.

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.