

# CONTROLLING CORONAVIRUS SARS-COV-2 / COVID-19 WITH BDS 2000

## What is BDS 2000?

BDS 2000 is a concentrated decontamination agent made up of two separate components. It is used for the inactivation of biological hazards indoors or on various surfaces.

## What is BDS 2000 based on?

The biological decontamination agent BDS 2000 is based on a special thermally stable peracetic acid and is used as aqueous foam for the decontamination of biologically contaminated surfaces. Alternatively, the active peracetic acid component is distributed using a thermal aerosol generator for the biological decontamination of interior spaces. Before application on surfaces, the liquid decontamination agent is prepared by mixing the two components Alcapur and Wofasteril with water. Alcapur is the buffer component and Wofasteril is the active component which contains stabilised peracetic acid (PAA) as an active ingredient. BDS 2000 is ecologically safe. Active ingredient PAA breaks down into acetic acid, water and oxygen.

## How effective is BDS 2000?

Even chlorine, chlorine separators, iodine separators, formaldehyde, formaldehyde separators, and glutaraldehyde show weaknesses concerning yeasts, moulds and partly also concerning non-enveloped viruses. Peracetic acid (PAA) is the only substance without any gaps with respect to all known biological pathogens. The agent can deactivate all known viruses, bacteria, spores and fungi. The reactive compound PAA has already been tested by several reputable civil institutes.

Numerous scientific publications are available. In addition, extensive studies have been carried out at military institutes such as the Wehrwissenschaftliches Institut für Schutztechnologien – ABC-Schutz (WIS), (German Research Institute for Protective Technologies – NBC Protection), the Netherlands Organisation for Applied Scientific Research (TNO) and EDGEWOOD CHEMICAL BIOLOGICAL CENTER.

The investigations of independent test institutes confirm the pronounced biological decontamination effect of BDS 2000 and its efficiency against anthrax (including a very good sporicidal effect) and the highly pathogenic avian influenza virus of type A even at temperatures down to -30 °C.

For example, the Clinic for Birds, Reptiles, Amphibians and Fish in Gießen (Germany) examined the virucidal activity against the agents of avian flu (highly pathogenic avian influenza A viruses).

The result of the examination was that influenza A virus was destructed within very short contact times, not only in suspension, also on absorbent, porous, protein loaded biological contaminated wooden surfaces.

The combination of the ingredients of the two components of BDS 2000 is also listed for enveloped viruses (e.g. by the German Veterinary Medical Society (DVG)). Of course, no test results with regard to the biocidal effect of various agents for the currently circulating coronavirus type SARS-CoV-2 / Covid-19 from Asia are available.

**FUTURETECH**

Kärcher Group

# CONTROLLING CORONAVIRUS SARS-COV-2 / COVID-19 WITH BDS 2000

## Application devices for decontamination of surfaces

Decontamination of surfaces minimises the risk of contamination being carried or transported into other areas, and limits the further spread of contaminants. In the following, we present our suitable equipment, which is ideally suited for the application of BDS 2000 on surfaces.



### DS 5 and DS 10

The DS 5 and DS 10 are portable pressure spraying devices ideal for BDS 2000. The DS 10 can also be retrofitted with a compressed air connection.



### HD 5/11 Cage DJ

The mobile HD 5/11 Cage Classic DJ is an extremely compact electric pressure washer, which cleans surfaces with cold water and can also work with single or two-component aqueous disinfectants or cleaning agents like BDS 2000.

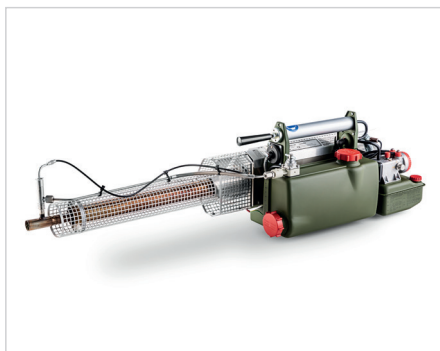


### SXM 30 C

The SXM 30 C spray extraction module is used for spraying decontamination agent directly onto contaminated surfaces and simultaneously vacuuming it up. Its user-friendly, self-explanatory operation means it can be put into and taken out of operation quickly.

## Application devices for aerosol generation (decontamination of interiors)

Decontamination of surfaces minimises the risk of contamination being carried or transported into other areas, and limits the further spread of contaminants. In the following, we present our suitable equipment, which is ideally suited for the application of the PAA component of BDS 2000 as an aerosol for interior decontamination.



### SN 50

Thermo Aerosol generators are employed to decontaminate, disinsect and disinfect interiors and surfaces. They convert the suitable agent into fine aerosol droplets, producing a suspended mist. Thanks to this mist, even the smallest indoor corners and recesses can be decontaminated.

**FUTURETECH**

Kärcher Group