

# Product Data Sheet

## Product Description

**BactoAttaQ®** is an antimicrobial and self-disinfecting surface coating, consisting of 2 components which are applied one after the other. The main component of this biocidal product is a modified silicon dioxide (silane quat, with adhesive).

## Product Characteristics

- Long-lasting self-disinfecting effect of at least 365 days.
- No bacterial resistance.
- Liquid color: 100% transparent.
- Strong mechanical stability.
- Easy-to-clean effect.
- Odor inhibiting.
- Dermatologically tested with the rating of "excellent".
- Free from SVHC; especially free from fluorine, PBT & vPvB substances.

## Resistance against

- solvents
- weather influence (Test ISO 11507)
- salt water
- UV-radiation
- temperature stability of dried coating **-20 °C to +150 °C**
- cleaning of the treated surface with a ready-use household cleaner in **pH 4-10**

## Reduction of up to 99,99% (> log 4) against:

- **bacteria**, including multi-resistant bacteria
- **special viruses**
  - ➔ **SARS-CoV-2 (COVID-19)**
  - ➔ TGEV Coronavirus (model virus SARS-CoV)
  - ➔ Influenza A Virus (H1N1)
- **fungi and mold**
- **yeasts**
- **algae**

## Technical Information

**BactoAttaQ®** builds up a sharp pointed layer with positive charged molecules of nitrogen. These positive charged molecules of **BactoAttaQ®** attract the negative charged cell membranes of the microorganisms. In contact with the sharp points the cell membranes are ruptured and consequently the microorganisms are physically killed ➔ elimination without resistance development.

**Onset of effect:** antimicrobial effect becomes active 1 hour after application.

<b>Temperature sensitivity of the liquid:</b>	+ 3 to + 40 °C
<b>Stability in storage:</b>	24 months
<b>Layer thickness:</b>	ca. 150-300 nm

## Certificates

We can provide you several test reports from certified laboratories:

- **Goethe-University Frankfurt/Main**
- **Eurovir**
- **Quality Labs**
- **Dermatest**

## Application Areas

Non-absorbent surfaces such as glass, fiberglass, wood, ceramics, plastics, metals, stone and much more.

## Application

**BactoAttaQ®** consists of two components (wipes or sprays), which should be carefully applied one after the other. Surfaces must be cleaned beforehand. Apply immediately after opening. Wipe evenly on the surface until completely dry. Remove visible residues with a clean towel or microfiber. After completely dried, the second component will be applied, wiping again evenly on the surface until completely dry and removing visible residues with a microfiber. For your individual support a professional and certified Coating Team is at your disposal and can be ordered.

## Drying Time and Curing

The advised drying time from application to when contact is recommended for humans or animals to the treated surface: 6 hours. Avoid contact before the end of the curing time.

## Processing Temperature

The optimal application is guaranteed at normal room temperature and humidity.

## Cleaning Advice

Cleaning the cured surface with a ready-to-use household cleaner in the pH range of 4-10 (please see safety data sheets for the respective cleaner).

Do not use any aggressive, caustic or abrasive cleaner.

## Legal Obligation and Safety Instructions

Use biocide products with care. Read labelling and product information before use. Store the products out of reach of children. Gloves are required for application. We recommend wearing a face mask when using a spray. Toxic to aquatic organisms only in liquid form. Avoid releasing the liquid into the environment.

➔ **see safety data sheet**



## Registration:

**BAuA-N°:** N-82766 for PT 2 and PT 9

The Biocidal Product Regulation (BPR) allows the placing on the market ➔ EU-regulation **528/2012**

**ECHA:** Active substance dossier was submitted on time.

## Safety instructions:

Inhalation may cause irritation to the respiratory tract. Skin contact can cause irritation - wash off with plenty of soap and water.

In the event of eye contact, remove contact lenses and rinse thoroughly with plenty of water for a few minutes.

Do not induce vomiting if swallowed.

Can cause nausea, vomiting and diarrhea if swallowed. In the event of persistent problems or deterioration, consult a doctor and show the safety data sheet or label ➔ **see safety data sheet.**