

CHRISAL OFFICIAL CORONA COVID 19 POSITION

With the outbreak of the Corona COVID19 virus worldwide, Chrisal is receiving many questions about the effectiveness of its probiotic cleaning and personal care products. By means of this letter, we want to provide correct information on what to expect and how to use the Chrisal products.

First of all, NOT A SINGLE PRODUCT in the world can prevent direct transmission of this (or any) virus through aerosols (tiny particles when sneezing or coughing) from person to person. So, we need to focus on the indirect transfer through hands, surfaces or objects.

Chrisal products contain **probiotics for improved hygiene and protection**. Upon application, the probiotics will stay on the surface (hard surface, textile, skin...) in order to provide two main benefits:

- **Deep cleaning:** The probiotics produce enzymes that digest organic pollution in order to make the surface microscopically clean. The probiotics remain active for several days continuously!
- **Healthy microbiome:** The probiotics are good bacteria that cover all surfaces (including skin) for a reduced risk of infection, as proven by clinical trials (Caselli 2018; PLOS ONE)

In order to benefit from this superior probiotic protection, Chrisal advises the following actions and products:

- 1) **Surface cleaning.** COVID19 may survive longer on surfaces that contain biofilm or a lot of organic pollution. Cleaning with any of the Chrisal probiotic cleaning products will make sure that the surface becomes and remains free of organic pollution. The probiotics will keep cleaning the surface constantly! Such a clean surface will also improve the efficacy of disinfectants if needed.

Recommended product: **PIP Interior Cleaner and PIP Floor Cleaner**

Frequency of application: minimum of 2x per week; daily for kitchen and toilets

- 2) **Hand hygiene.** One of the most important direct ways of transferring COVID19 from one person to another is by means of the hands. Cleaning your hands with Chrisal products will create a healthy skin microbiome on the skin to strongly lower the risk of pathogen transfer.

Recommended product: **PIP Hand Soap and PIP Hand Gel**

Frequency of application: Several times a day after each contact with a contaminated surface, bathroom visit or hand shaking

- 3) **Objects/textile.** It is not always possible to clean all surfaces/materials (such as textile) or objects. This leaves a possible hot spot for the corona virus. Chrisal has developed an ultrasonic fogging device to cover all surfaces and objects with a good microflora to lower the risk of infections.

Recommended product: **Probinano Home & Office mister** (1 device per 50m²)

Frequency of application: Permanent through automatic timer function

- 4) **Personal protection.** Besides a proper hand hygiene, one can also further protect himself. It has been proven that the Corona COVID19 virus first infects the upper respiratory tract and sinuses. Making sure these areas also harbour a healthy microbiome will lower the risk of infection. Chrisal has been performing several years of research to promote such a healthy microbiome by means of inhaling the patented PIP Ultra Air synbiotics (probiotic + prebiotic). Inhalation of PIP Ultra Air is 100% safe and passed the official OECD403 tests.

Recommended product: **Probinano Facial Mister**

Frequency of application: Twice daily

By means of paying attention to some prevention measures such as proper hygiene one can already lower the risk of infection significantly. And if you should get infected, do not panic. COVID19 is hardly more lethal compared to a common flu. Avoid to infect others by keeping a distance and paying close attention to your hand hygiene and probiotic treatment of the room(s) you stay.

We hope to have informed you properly about the superior protection that the Chrisal probiotic technology provides. More information on the Chrisal products and technology can be found at www.chrisal.com

Wishing you good health!

Kindest regards



Dr. Robin Temmerman
CEO Chrisal NV