



User & Member

Notes

ECAIA+ allhygienics is effective
against coronavirus!



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1 Dear Customer,

As you know, ECAIA+ allhygienics protects against viruses - but what about Corona viruses?

In this regard we asked our laboratory, which carried out the necessary tests on behalf of our manufacturer. Although the laboratory is still in the process of completing the expert opinion (a mere formality) - due to the high spread of the virus and in order to contribute to its prevention, we are providing you with extracts of the expert opinion in advance:

Effective against e.g. viruses of the respiratory tract:

Influenza virus, Coronaviridae (incl. SARS, MERS), Paramyxoviridae (measles), Herpesviridae, Rubella virus

Effective against blood-borne viruses such as:

Hepatitis B virus (HBV), Hepatitis C virus (HCV), Filoviridae, Flaviviridae, Human Immunodeficiency Virus (HIV), Herpesviridae, Human T-cell leukemia virus (HTLV), Zika virus.

This confirms that ECAIA+ allhygienics can be used preventively, i.e. to prevent infection with the current coronavirus (2019-nCoV).

Please note that the exposure time is one (1) minute.

In this brochure we will tell you what ECAIA+ allhygienics can do and what else it can be used for - apart from its current use in the fight against the coronavirus.

The SANUSLIFE INTERNATIONAL Team

2 Current scientific opinions on the coronavirus

2.1 Coronaviruses on surfaces

Quote - University of Greifswald, Feb. 7th, 2020: A scientific article published in the "Journal of Hospital Infection" summarizes the state-of-the-art research on the lifespan of coronaviruses on surfaces and the effects that disinfectants have on them.

How long do coronaviruses survive on surfaces such as door handles or hospital nightstands? What are the most effective means of killing them? A research team from Greifswald and Bochum (Germany) compiled all the answers that research can currently provide to these questions and published them on 6 February 2020 (DOI: 10.1016/j.jhin.2020.01.022).

2.2 Spread via airborne droplets and direct contact with hands and surfaces

The novel coronavirus 2019-nCoV is making headlines worldwide. Since there is no specific therapy against it, the prevention of contagion is of particular importance in order to stem the epidemic. Like all droplet infections, the virus spreads also via contact with hands and surfaces that are frequently touched. *"In hospitals, these can be door handles, for example, but also bells, bedside tables, bed frames and other objects in the direct vicinity of patients, which are often made of metal or plastic,"* explains Prof. Dr. Günter Kampf from the Institute of Hygiene and Environmental Medicine at the University Medical Centre in Greifswald.

Together with Prof. Dr. Eike Steinmann, holder of the Chair of Molecular and Medical Virology at the Ruhr University Bochum (RUB), he had already compiled, while preparing material for a textbook, comprehensive findings from 22 studies on coronaviruses and their inactivation. *"In the current situation, we thought it best to publish these established scientific facts in advance in order to immediately offer a synthesis of all the information currently available,"* said Eike Steinmann.

2.3 Infectious on surfaces for up to nine days

The studies evaluated, dealing with, among others, the Sars coronavirus and Mers coronavirus pathogens, showed, for example, that the viruses can survive on surfaces at room temperature and remain infectious for up to nine days. On

average, they survive from four to five days. "*Cold and high humidity further lengthen their lifespan*" said Kampf.

Tests performed with various disinfecting solutions have shown that agents based on ethanol, hydrogen peroxide or sodium hypochlorite are highly effective against the coronaviruses. If these agents are applied in the appropriate concentration, they reduce the number of infectious coronaviruses by four so-called "log levels" within one minute, which means, for example, that they are reduced from one million to only 100 disease-causing particles. If preparations based on other active ingredients are used, the product should be proven to be at least effective against enveloped viruses (and thus prove to be "limitedly virucidal"). "*As a rule, this is sufficient to significantly reduce the risk of infection,*" says Günter Kampf.

2.4 Findings should be transferable to 2019-CoV

The experts assume that the results from the research on other coronaviruses are transferable to the novel virus. "*Different coronaviruses were investigated and the results were all similar,*" said Eike Steinmann.

2.5 Original publication

Günter Kampf, Daniel Todt, Stephanie Pfaender, Eike Steinmann: Persistence of coronaviruses on inanimate surfaces and their inactivation with biocidal agents, in: Journal of Hospital Infection 2020, DOI: 10.1016/j.jhin.2020.01.022. Source: Media information of the Ruhr University Bochum, Feb. 7th, 2020

3 ECAIA+ allhygienics – is also effective against coronaviruses

3.1 What is ECAIA+ allhygienics and what can it do?

ECAIA+ allhygienics is a ready-to-use hygienizer made from nature-identical active substances and presented in an aqueous solution. It can be used by spraying, wiping and nebulization.

It removes over 99.9% of germs, bacteria and viruses.

The product is supplied in a standard bottle equipped with a spray head. A few sprays (2-3) are sufficient to kill

- a) bacteria, germs and micro-organisms (with a 30- or 60-second exposure time)
- b) viruses, including Coronaviridae (60 seconds)
- c) molds (5 minutes)
- d) spores (60 minutes)

3.2 How is the product manufactured? What is it made of?

In simple terms, its only ingredients are water, salt and electricity.

Its active substance is sodium hypochlorite (approx. 0.13g/100g), also called free active chlorine, which is a nature-identical active substance.

The motto we followed is „Efficiency does not necessarily have to be complex“. Simple ingredients combined with a unique, sophisticated production process are the essential elements in the production of ECAIA+ allhygienics.

3.3 And when you are away from home: ECAIA+ refill

A scientific article published in the "Journal of Hospital Infection" summarizes everything research has discovered about the lifespan of coronaviruses on surfaces and the effect of disinfecting products. It shows that the spread of these viruses can occur via the respiratory droplets produced by sneezing, coughing, exhaling or simply talking, and by contact with hands and surfaces. Furthermore, the viruses are infectious on surfaces for up to nine days!

For this reason, we recommend that ECAIA+ allhygienics be used when you are away from home, especially when or after using collective means of transport (e.g. bus, train, plane, etc.).

With ECAIA+ allhygienics we suggest that you order ECAIA+ refill as well in the **SANUSSTORE** (www.sanusstore.com), consisting of a set of 5 small bottles, so that you always have the "antidote" at hand, to regularly hygienize your hands and all surfaces you come in contact with and thus prevent infection with the corona virus.

3.4 Characteristics of traditional hygienizers...

- Fast hygienization, usually alcohol-based
- High concentration of active ingredients - over 50%! (alcohol, ethanol, propanol)
- Dangerous for humans, animals and the environment
- High security risks
- Highly inflammable
- Hazardous substances/dangerous goods

3.5 Characteristics of ECAIA+ allhygienics...

- Fast water-based hygienization
- Low concentration of the active substance (between 0.1 and 0.25%)
- Dermatologically tested and rated: VERY GOOD!
- NO security risks
- NOT inflammable
- NO dangerous good
- NOT classified as hazardous substance

3.6 What can I use the product for?

ECAIA+ allhygienics is a 3-in-1 product, that is, it can be used, at the same time, as a hygienizing, detergent and odor neutralizing spray. It can, therefore, be applied

on all surfaces, for example, at the workplace, but also on children's toys, toothbrushes, textiles, mattresses, toilets, waste bins, etc.

You can find further details about the range of possible applications on our newly designed **SANUSPRODUCTS** page.

3.7 Can it be applied to humans and animals? Is the product really safe to use on skin and body?

Yes! In fact, following the "dermatological tests on humans" conducted by the German research institute Dermatest GmbH, ECAIA allhygienics was awarded a "VERY GOOD" rating, thus indisputably confirming the product's skin-friendliness.

3.8 How do I use the product correctly?

The product can be sprayed or applied with a dry cloth. To hygienize a surface that appears clean, carefully apply the product (approx. 1 ml/10 cm²) until it forms a thin, slightly damp layer.

Depending on the type of surface, 2-3 sprays are usually sufficient.

To guarantee the product's efficiency, the following exposure times must be observed:

- If the liquid is allowed to react for 60 seconds, the product has a bactericidal (germicidal, causing the death of pathogens), fungicidal (fungi-killing), yeasticidal (yeast-killing) and a virucidal (that is, viruses are rendered harmless) effect;
- After a 60-minute exposure time, the product has a sporicidal (that is, fungal spores are killed) effect.

After the appropriate exposure time, the excess liquid can be absorbed with a clean, dry cloth.

3.9 Why is there a plus sign (+) after ECAIA?

The additional "plus" sign (+) stands for the extension of our ECAIA waterline. This sign can be translated as "more" or „extra“ or „new“ and stands for SANUSLIFE's additional products, which are based on water.

4 ECAIA+ allhygienics – The range of its possible applications in detail!

4.1 How to keep your ECAIA carafe germ-free

If you do not use your ECAIA carafe for a few days, spray the carafe and its empty parts (except filters) thoroughly inside and outside with ECAIA+ allhygienics before using it again. Allow the liquid to act briefly and then rinse all the parts thoroughly with warm or cold running water!

A tip: ECAIA+ allhygienics is also ideal for cleaning the ECAIA ionizer. For example, for cleaning its water hoses, for descaling, etc.

4.2 Its classic household use

When necessary, spray ECAIA+ allhygienics on all surfaces, floors and objects (e.g. children's and adult toys), refrigerators and freezers (e.g. for periodic general cleaning), WCs, and much more.

However, you can also spray it directly in the air in closed rooms, e.g. in the bedroom in the morning after getting up, in the bathroom after each visit, in the kitchen, e.g. after intensive browning of meat or fish. In this way, penetrating, unpleasant smells can be neutralized in an instant!

4.3 On pet accessories. Directly on animals.

Use ECAIA+ allhygienics for a delicate and preventive hygienization of all pet accessories. Simply spray your pet's bedding, pet carriers, water and food bowls, toys, etc. regularly.

Depending on the intensity of odors, you can also apply ECAIA+ allhygienics directly on animals as often as you like. Simply spray ECAIA+ allhygienics every day - even several times a day, as needed, depending on the intensity of the odors. It's impossible to exaggerate!

4.4 For horses and other large or farm animals!

ECAIA+ allhygienics is suitable for small and large animals alike. Particularly noteworthy is its use for skin-friendly, preventive hygienization directly on horses as well as for hygienizing hay. Also worth mentioning is its use for hygienizing animal accessories, for example, stalls, transport vehicles and vans, feeding and water and containers, etc.

4.5 The highlights at a glance

- Low concentration of the active substance
- Nature-identical active substance, very similar to that present in the human body
- Highly effective against viruses, germs, bacteria, fungi, spores and other microorganisms
- **The ECAIA+ allhygienics is effective against viruses of the respiratory tract**, i.e. influenza virus, Coronaviridae (incl. SARS, MERS), Paramyxoviridae (measles), Herpesviridae, Rubella virus.
- **It is also effective against viruses that are blood-borne** such as Hepatitis B virus (HBV), Hepatitis C virus (HCV), Filoviridae, Flaviviridae, Human immunodeficiency virus (HIV), Herpesviridae, Human T-cell leukemia virus (HTLV), Zika virus.
- Its development and/or production do not involve animal testing of any sort.
- No additives, no alcohol, no colorants, no phenols
- Short exposure times (= rapid hygienizing action)
- Environmentally friendly, harmless to humans, animals & the environment
- Applicable directly to humans and animals
- Does not provoke germ resistance
- No dangerous good
- Not classified as hazardous substance according to CLP Regulation (EC) 1272/2008