

Organic Fresh

All Purpose Sanitizer

100%
NATURAL



RINO SOLUTIONS

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100% NATURAL 100% ORGANIC 100% NATURAL 100% ORGANIC

Organic Fresh® General Sanitizer Organic Fresh®

Organic Fresh General Sanitizer is a C4L Technology based Sanitizer consisting of a carefully formulated compound consisting of unique C4L Technology flavonoids and extracts with extensively researched sanitary, health, environmentally friendly and food safety benefits, manufactured through CERES certified organic compliant processes*1 and compliant to the following International certifications:

- CERES GmbH Document No: 90205-I.
- FDA
- ILAC
- MERIEUX NutriSciences, SANAS testing laboratory
Report number CT 156553/19-01
- MERIEUX NutriSciences, SANAS testing laboratory
Report number CT 156553/19-02
- SANAS

Flavonoids against viruses:

There are many studies on Flavonoid activity on a wide range of DNA and RNA viruses.

In general, flavonoids work by several mechanisms. Pathogens and other non-cellular micro-organisms can survive for short periods on surface areas due to a variety of support systems.

They can block attachment and entry of viruses into cells, interfere with various stages of viral replication processes or translation and polyprotein processing to prevent the release of the viruses to infect other cells.

Different flavonoids have been found to inhibit viral activity through various mechanisms, namely: (1-6)

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- 1 Flavonoids binding to specific extracellular regions of the virus such as viral proteins present on the capsids.
- 2 Flavonoids that prevent attachment or entry of the virus into host cells. In some cases, flavonoids can bind to virions and modify the virus structure. Though the virus can still internalize, the process of viral uncoating is stalled.
- 3 Early-stage replication inhibitors.
- 4 Transcription and translation blockers.
- 5 Inhibition of late stages of maturation such as inhibition of assembly/packaging and release.
- 6 Flavonoids that can inhibit viral infections by interfering with host factors that are required for successful infection or modulating the immune system to reduce the viral load.



Based on the mentioned antiviral mechanisms of action, flavonoids can be prophylactic inhibitors, therapeutic inhibitors or indirect inhibitors by interaction with the immune system.

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Why Organic Fresh® ?

Organic Fresh® is a carefully formulated complex of unique flavonoids and plant extracts focused on the strengthening of the capacity of bacteria and microbes to limit and even eliminate the negative and potentially harmful outcomes of viral and other microbial attacks.

This is particularly well established through the strengthening of cell walls and the stimulation of the immunity system.

The flavonoids and other beneficial compounds in OF have shown to stimulate bacteria specific unique restriction patterns in genes to effectively protect host bacteria and microbes through the formation of defense mechanisms, allowing bacteria to chop up potentially harmful foreign DNA (e.g., DNA from bacteria-infecting viruses)

The positive effect of flavonoids on the different aspects of human hygiene have been extensively researched over a very long period and are well practiced.

It is well known that flavonoids have strong antibacterial and antifungal properties. With Organic Fresh® we have succeeded in harnessing some of these very powerful flavonoids into very effective formulations for the benefit of human hygiene.



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Advantages:

Organic Fresh® General Sanitizer can safely and effectively be applied as hand Sanitizer in programs and protocols aimed at improving the health and wellness of people and populations.

Organic Fresh® General Sanitizer is an easy to use product with easy application technology, making it extremely suitable for application in:

- Sanitizer spraying technology
- Hand dispensing equipment



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Key value features of Organic Fresh® General Sanitizer include:

- Independently certified for organic input (CERES organic)
- Highly active and effective against a broad spectrum of micro-organisms.
- Non-corrosive and, safe non-toxic to humans.
- Remains active in the presence of organic matter.
- Biodegradable
- Broad pH activity.
- Environment and marine safe.
- Cost effective.
- Safe to use in food preparation areas. *Documentation available on request
- Can Organic Fresh® Sanitizers be used indefinitely?

Can Organic Fresh® Sanitizers be used indefinitely?

Any harmful long term effects? Organic Fresh® is a natural substance consisting of natural combinations of flavonoids and plant extracts.

None of it's components have shown to cause harmful effects with regular use since they occur in many different parts of everyday life from food to human hygiene applications.

Can Organic Fresh® Sanitizers be used indoors? Under ground? Around people?

During normal use it is safe for indoor and outdoor as well as underground.

It is, however, crucial to make sure you are well acquainted with the Safety Data Sheet and follow the instructions.



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What sets Organic Fresh® apart from any other sanitizers on the market?

It is very important to understand that the modes of action of Organic Fresh® rather classifies it as a sanitizer than a disinfectant.

Its total chemical free and nonalcoholic based formulation gives it a more preventative action.

It is not curative and therefore does not disinfect.

It sanitizes as preventative measure. This sets it totally apart from disinfectants.

With Organic Fresh® the focus is on the creation and sustaining of a sanitized environment and personal hygiene.

The focus is on doing the right things to prevent infection where possible. Unlike the approach of disinfectants, the focus with Organic Fresh® is on virus isolation through host support and preventing infection through protection.



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Carefully formulated complex of unique C4L Technology flavonoids and extracts

Effective and efficient alternative product to a whole range of quaternary based products, with beneficial carbon footprint in manufacturing, application and preparation of human health products.

Organic Fresh® General Sanitizer is non-toxic and supports a healthy immune system. This makes Organic Fresh® General Sanitizer a globally unique product to apply.

Key Application Areas for Organic Fresh® General Sanitizer include:

- Airports, Aircrafts
- Child & Old Age Care Centers
- Commercial Cleaning
- Food hygiene, manufacturing and preparation
- Food preservation
- Health Industry
- Mines
- Schools & Education facilities
- Waste and home hygiene
- Water Treatment, etc.



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The Technology:

Organic Fresh® General Sanitizer is a 100% natural Biocide formulated with botanical extracts.

Organic Fresh® General Sanitizer acts through a process of cell wall intrusion, complexation of key cations and disruption of protein functioning.

Several ingredients act as powerful wetting and penetrating agents to permeate outer cell defenses, then transport other key ingredients to protein sites, thus disrupting normal functioning.

Through these mechanisms Organic Fresh® General Sanitizer effectively and efficiently suppresses various pathogenic cellular organisms such as bacteria, fungi and moulds, and non-cellular organisms such as viruses on all surface areas.

All ingredients are food safe. Rated up to the strength of a hospital grade disinfectant 2,3 it stands alone as a safe and non-toxic yet powerful germ killer.

the NEW
normal



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Organic Fresh® General Sanitizer hand Sanitizers vs alcohol-based Sanitizers:

Organic Fresh® General Sanitizer consist wholly of a carefully formulated complex of unique C4LTechnology flavonoids and extracts. This means that all the antibacterial, antifungal and antiviral properties occur through non-alcohol-based processes.

Organic Fresh® General Sanitizer does not contain any chemically extracted ingredients in the manufacturing process, hence the CERES organic certification.



The modes of action of Organic Fresh® rather classifies it as a sanitizer than a disinfectant*. Keeping this in mind it is therefore easy to understand that Organic Fresh® is formulated to provide a protective layer on the skin to provide preventative support against pathogenic, harmful or other bacterial, fungal or viral infections through its very unique actions of blocking attachment and entry of viruses into cells, interfere with various stages of viral replication processes or translation and polyprotein processing to prevent the release of the viruses to infect other cells.

Therefore Organic Fresh® has no harmful effect on the skin. Alcohol has a well known history of limited success with protective actions to prevent infections whilst it is well known to damage the skin with regular use. This because it permeates the skin layer and interacts with the fat cells under the skin –leading to all sorts of difficulties and uncomfortable skin conditions. Of course the flammable nature of alcohol creates immense risks for everyday use.

its very unique actions of blocking attachment and entry of viruses into cells

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Difference between a Sanitizer and Disinfectant*

Sanitizers and disinfectants differ in how long they take to work, known as dwell time.

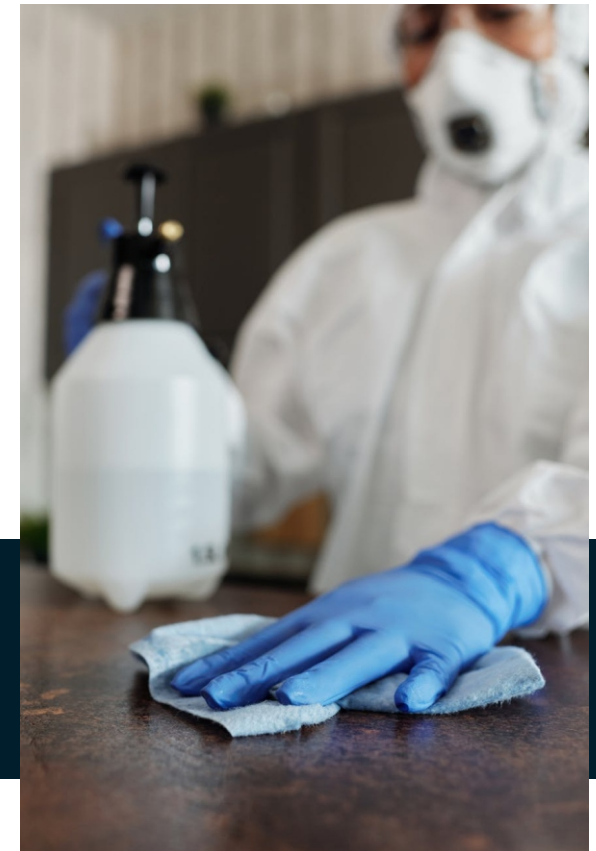
Sanitizers can work almost immediately whereas the chemicals in disinfectants take up to 10 minutes to kill germs.

Disinfection means to destroy or irreversibly inactivate specified infectious fungi and bacteria, but not necessarily the spores, on hard surfaces.

Sanitizing means to reduce micro-organisms of public health importance to levels considered safe, based on established parameters, without adversely affecting either the quality of the product or it's safety.

While disinfection measures may be employed in food processing and preparation, it is much more common to utilize sanitization methods to reduce microbial presence.

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Organic Fresh Application Rates:

Food (Fruit & Vegetables)	0.1 %	1ml / L Water
Soft Leaf Vegetables (Lettuce, Baby Leaf, etc.)	0.05 %	0.5ml / L Water
General Surface Sanitizing (Tabletops, Cutting Boards, etc.)	0.3 %	3ml / L Water
More Contaminated Surfaces	0.5 % - 1%	5ml –10ml / L Water
Indoor Misting Application	1 %	10ml / L Water
Outdoor Misting Application	3 –5 %	30ml –50ml / L Water

Documentation:

- MSDS
- General sanitizer data sheet
- Dermuralhand sanitizer data sheet
- Bioconsultingconfirmation documentation
- SANAS certification –Bactericidal and Fungicidal

**alcohol-based
hand sanitizer**

(noun)

The best way to find
cuts you never knew you had

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Please be Wise

&

SANITIZE!



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