



X-SPRAY SANITIZERS



Never before has environmental
and personal hygiene played such a
central role in our lives



X-Spray Family

X-Spray disinfectant are a family of new technology of non-alcoholic disinfectant solutions using hydrogen peroxide and silver ions, which eliminates a wide range of pathogens (bacteria, viruses and fungi) from the spread of various infectious diseases.

They are capable of killing more than 650 species of bacteria and viruses. Its modified electrochemical properties speed up the response time and lower the detection limit on nanoscale sensors.

Our products have no systemic and cellular toxicity, irritability or inhalation toxicity. Also, based on the test results, determining the dose of their active substance concentration has been reported in a completely safe range

Effects and applications of X-Spray

- Lack of toxicity
- Environmental Protection
- Use completely natural ingredients
- Antistatic properties
- Antibacterial properties
- Odorless
- Alcohol-free
- Colorless
- Long lasting
- Without causing the usual allergies caused by alcohol on the skin
- If needed, it can be produced with any color and fragrant essential oils

Advantages of X-Spray

- No Asthma and no lung problems
- No Allergies
- No Damage to clothing texture
- No Damage to metal surfaces and electronic equipment

NO MORE GERMS: Kills 99.99% of illness-causing germs

LONG-LASTING GERM BARRIER: X-Spray's formula stays active on the surfaces for lasting antimicrobial protection

SAFE TO USE: non-flammable, water-based, and safe for use by everyone

COST EFFECTIVE: compared to traditional products, with X-Spray you can clean up to 50% more



Alcohol-free Chloride-free
No irritations!



No need to rinse, wipe or wash!



Long-lasting effect, protect for at least 24 hours



Can be used in environments, in contact with food and in the presence of humans

Features



Rapid effectiveness in eliminating viruses, including Coronavirus COVID-19

Due to the antiseptic properties of this product, it helps reducing infections and diseases such as colds, etc.

Shelf life: 18 to 24 months after production

Compatible with all types of hand skins

It maintains its effectiveness in a wide range of temperatures and pH

Wide range effect against fungi, bacteria and viruses and does not create microbial resistance

Benefits confirmed by European Standard Tests

No skin sensitivity confirmed by European Standard Tests

In addition to disinfecting the ambient air, this family of products is also used to disinfect tools, equipment and surfaces, which also distinguishes the X-spray from other products.



X-SPRAY FORMULA

X-Spray is simply composed of Hydrogen Peroxide, Silver Ions and water: our formula gives the best performance in terms of cleaning and safety

SYNERGISTIC MECHANISM

As compound of hydrogen peroxide and silver salt, X-Spray is one of the most recent product used as antimicrobial particularly antiseptic or disinfectant and sterilant. X-Spray is an extraordinary and innovative compound to form a sustainable solution from hydrogen peroxide and silver ion by applying a new method.

Xegate SA has successfully produced this unprecedented product by using European knowledge and technology under X-Spray brand.

The product is a strong, rapid, sustainable, colorless and environment friendly sterilant and disinfectant.

X-Spray is a new generation disinfectant with enduring and strong effects as a result of its silver ion ingredients.

Most of popular detergents containing sodium hypochlorite damage the surfaces due to their corrosion effects. They are irritant, and result in lesions in mucous membrane and subsequently negative effects on respiratory system. That is why chloride containing detergents are hazardous for children.

Contrary to detergents with chloride that are currently sold in the market, X-Spray is a market friendly product not using chloride containing ingredients.

It does not contain alcohol, so it doesn't harm your skin.

X-Spray uses a very small concentration of Hydrogen Peroxide (less than 1%) in synergy with Silver ions to create an innovative hi-tech product completely safe for surfaces, food and human health. X-Spray after use transforms into water and oxygen, both of which are nontoxic and do not harm the environment.

SILVER IONS, ARE THEY SAFE?

X-Spray has a very broad antimicrobial effect that ensures the presence of silver ions in small amounts in addition to having the role of catalyst, long-term effect and stability of hydrogen peroxide.

The antibacterial effect of silver ions is also very strong due to the formation of covalent bonds with bacterial proteins, which leads to the deposition of proteins and thus inactivation of bacteria. The two combinations also show synergistic effects.

Silver poisoning requires a cumulative dose of at least 1000 mg of silver.

One litre of water with an average content of 20 ppm of X-Spray contains 0.01 mg of silver. For comparison: one litre of American milk contains between 0.025 and 0.054 mg (Murthy and Rhea, 1968).

1000 mg of silver corresponds to 100,000 litres of X-Spray treated water.

So if you drank 3 litres of water a day, it would take you 33,333 days to drink this amount of silver.

At 365 days a year, that would take 91.3 years. And that's assuming that the silver is 100% water-soluble and completely absorbed by the body.

However, scientific articles state that 90% of the silver in food exits the body via the gut (Furchner et al., 1968).

You would therefore have to drink 3 litres of water disinfected with X-Spray every day for 913 years before experiencing any toxic effects.

*For safety
is not a gadget
but a state of mind*



**LET'S
TALK
SAFETY**





PACKAGING

*Spray cans: 100 ml, 250 ml
Bottle: 250 ml, 500 ml, 1000 ml
Plastic Tank: 5 liters, 20 liters*

*Possibility to supply in Bulk and
concentration*



STANDARDS

Complies with the following Standards

EN 14476
EN 13624
EN 14348
EN 1040

EN 1276
EN 13610
EN 1650
EN 13704

Acute inhalation toxicity test
Sensitive and dry skin (ISO10993-10)
No cell toxicity (ISO10993-5 standard)
No gene toxicity (no genotoxicity)
Effective in 30 seconds

X-SPRAY A3 HAND SANITIZER

Hand sanitizing is the first step in preventing the spread of unwanted germs and illnesses.

Hand spray sanitizer X-Spray A3 comes with fabulous scents of your choice, to be used in any part of the normal life to prevent spreading the germs through social contacts.

Just spray and wait.

No wash, no wipe, just wait!

After less than 30 seconds your hands are fully sanitized.

Unique features:

- All the general Features of the X-Spray Family
- Compatible with all types of hand skins
- With essential oil - very pleasant aroma

X-SPRAY I5 INDOOR & OUTDOOR SANITIZER

All-purpose sanitizer for indoor and outdoor surfaces, industries, agriculture, all-round life tools, mobiles phones, tablets, laptops, cars and more.

Just spray and wait.
No wash, no wipe, just wait!
After less than 15 minutes the surface is fully sanitized.

X-Spray I5 can be also cold-fumigated in the ambient. The essential oils in this product have been selected based on international standards for disinfecting the ambient air to prevent respiratory allergies. The ambient air of medical centers and offices, buses, subways and all public places may be polluted due to the movement of different types of patients. Breathing polluted air can transmit various diseases to healthy people in the community. By using a cold fumigator or misting devices with a suitable disinfectant, it is possible to prevent contamination of the environment and the transmission of various diseases, and to create a humid and healthy environment in the desired places. For this purpose, X-Spray I5 is an air disinfectant based on hydrogen peroxide and silver ions. This disinfectant is completely effective and safe and has no danger to human health and can be used in the presence of humans and food.

The essential oil used in this product is completely safe and selected according to international standards and is very pleasant. The advantage of using this product in cold fumigation compared to air disinfectants as a spray is that the particle size is smaller than the spray and as a result, their permeability and uniformity increase.

This product is effective on all types of microorganisms and it is tested according to European standards.

FRESHGATE

X-Spray I5 can be used with our unique Sanitizing Tunnel, FRESHGATE.

FRESHGATE is a system produced by Xegate SA that helps prevent the entry and proliferation of viruses, germs and bacteria inside buildings and public and private areas.

FRESHGATE helps identify people at risk (without a mask or with too high body temperature) before they enter areas shared by other people and that cause the transmission of their pathology to other individuals.

FRESHGATE sanitizes people and objects before entering the shared areas, so as to assist in stopping the transmission of viruses, germs and bacteria through people, clothes and objects.



- Indoor & outdoor*
- Tools*
- Car interior & exterior*
- Smartphones*
- Packaging*
- ATM machines*
- FreshGates*
- Schools*
- Office*
- Cinemas*
- Airports*
- Public Transportation*
- Libraries*
- Industries*
- Animal Farms*



STANDARDS

EN 14476
EN 13624
EN 14348
EN 1040

EN 13610
EN 1650
EN 13704

Acute inhalation toxicity test
Non-corrosion test according to ASTM G31-Ra standard (for products that come in contact with equipment and surfaces)
No cell toxicity (ISO10993-5 standard)
No gene toxicity (no genotoxicity)
Effective in 10-15 minutes



PACKAGING

Trigger: 250 ml

Bottle: 250 ml, 500 ml, 1000 ml

Plastic-Tank: 5 liters, 20 liters

Possibility to supply in Bulk and concentration



X-SPRAY H1 HOSPITAL SANITIZER

Top strength in fighting bacteria, viruses and fungi.
Effectiveness tests with Hospital ISO Standards.
All-purpose cleaner for Hospitals and Clinics, Emergency Rooms, Surgical Tools, Clinic Tools, contaminated waste and PPE's.

Just spray and wait.
No wash, no wipe, just wait!
After less than 15 minutes the surface is fully sanitized.

It is also possible to cold fumigate X-Spray H1 to clean ER and rooms.

Uses:

- Hospitals
- Clinics
- Clinic Tools
- Wastes
- PPE's



PACKAGING

Trigger: 250 ml

Bottle: 250 ml, 500 ml, 1000 ml

Plastic Tank: 5 liters, 20 liters

Possibility to supply in Bulk and concentration

STANDARDS

Complies with the following Standards

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Acute inhalation toxicity test
Non-corrosion test according to ASTM G31-Ra standard (for products that come in contact with equipment and surfaces)
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Trigger: 250 ml
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Possibility to supply in Bulk and concentration



STANDARDS

Complies with the following Standards

EN 14476
EN 13624
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EN 1040

EN 13704

Acute inhalation toxicity test
Sensitive and dry skin (ISO10993-10)
No cell toxicity (ISO10993-5 standard)
No gene toxicity (no genotoxicity)
Effective in 15-30 minutes

X-SPRAY V2 VEGETABLE & FRUIT

Sanitizer specifically designed for food, vegetables and fruit.

Just spray and wait.
No wash, no wipe, just wait!
After less than 15 minutes your food is fully sanitized.

It is possible also to dilute in water and float the food into it.
In this case, it is effective in 30 minutes.

Features and benefits:

- All the general Features of the X-Spray Family
- Maintain the freshness and natural color of fruits and vegetables
- Colorless, odorless and keeps the original taste of fruits and vegetables



XEGATE does and supports Advanced Research & Development around the World since 2012, with major focus on the fields of nanotechnology for Energy and the Environment, for the sake of the Earth and Mankind.

Hard working, honesty and trust are our keys in every project and we consider our Clients as our Partners and as part of ourselves.

Join Xegate, your Future is Now!

SAFETY NOTES

Please pay attention to the conditions set forth on the product label when working with concentrated solution (100%)
When working with concentrated solution, use gloves and safety glasses
In the case of eye or hand contact with concentrated solution, please wash the contact point using a large amount of water
The container of the original solution shall be carried and kept vertically
The containers designed for X-Spray shall be used for preparing X-Spray only
Never return the solution poured out to the main gallon again
Do not mix X-Spray with other products
Keep away from the reach of children
Keep in a cool place and away from inflammable materials
If net solution is drunk inadvertently, have the affected person drink warm water and visit a physician without trying to motive the person to vomit

Questions & Inquiries

For any questions, inquiries, curiosities, please contact us!
We will be pleased to talk to you anytime



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*Together, it's different
Escape the ordinary*

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