

Air infection disinfectant

# Safer Jin E-Bus

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500ml



100ml



20L



# Safer Jin E-BUS Product Introduction



## Safer Jin E-BUS Sold in Pharmacies Across Korea

01. Coronavirus, flu (toxicity) Instant sterilization

All ingredients (all ingredients) Use food additives to make

New variant viruses Sterilization

02. Obtained two kinds of licenses for germicidal disinfectants and deodorants

Safety Standard Appropriate Confirmation Application No. :  
FB19-13-0196

Completed certification in accordance with the Life Chemical Products Fungicide Safety Management Act

03. Pass 3 important tests of germicidal disinfectants

Pass corrosive test, bleach test, toxicity and irritation test

The only product in Korea that has passed security

## Korea Ministry of Environment Certificate of permission

■ 생활화학제품 및 살생물제의 안전관리에 관한 법률 시행규칙[별지 제4호서식] (앞쪽)

신고번호 제 FB19-13-0196 호

**안전기준 적합확인 신고증명서**

신고인	상호(명칭) 주식회사 오션바이오	법인등록번호(사업자등록번호) 3718800837
	성명(대표자) 임채수	담당자 성명 및 연락처 02-6361-0200
	소재지(사업장) ( 04158 ) 서울특별시 마포구 마포대로 49	
신고 제품	제조 수입 [ <input checked="" type="checkbox"/> ] 제조 [ <input type="checkbox"/> ] 수입	품목 살균제, 탈취제
	제품명 세이퍼진 이버스	용도 일반용(실내공간용) 외 1 종
	제형 분사형 분무기형	중량·용량·매수 500,100 ml
	제조국명(수입의 경우)	제조회사명(수입의 경우)
	신고사항 100 ml 용기 추가 변경 신고 (기타첨부서류란 첨부 : 용기검사결과서 / 표시도안 견본 / 표시도안 제품 부착 견본 사진)	

「생활화학제품 및 살생물제의 안전관리에 관한 법률」 제10조제4항 및 같은 법 시행규칙 제5조제5항에 따라 안전기준 적합확인 신고증명서를 발급합니다.

2019 년 08 월 26 일

한국 환경 산업 기술 원장

210mm×297mm[백상지(150g/㎡)]

# Safer Jin E-BUS Product Introduction

Sprayed in indoor air

## saferJin E.Bus

Bactericidal disinfectant / deodorant

All ingredients (all ingredients) use food additives that are safe for the human body !

Passed toxicity and irritation tests on mouth, skin and eyes !



Bactericidal power 99,999%

Excellent deodorizing power

Passed toxicity and irritant test

SAFER-JIN E-BUS

All ingredients (all ingredients)

Use food additives!



SaferJin E-Bus breaks down into water, oxygen, and a very small amount of salt after reacting with the virus

And because it is non-volatile, there is no dangerous reaction to gasification



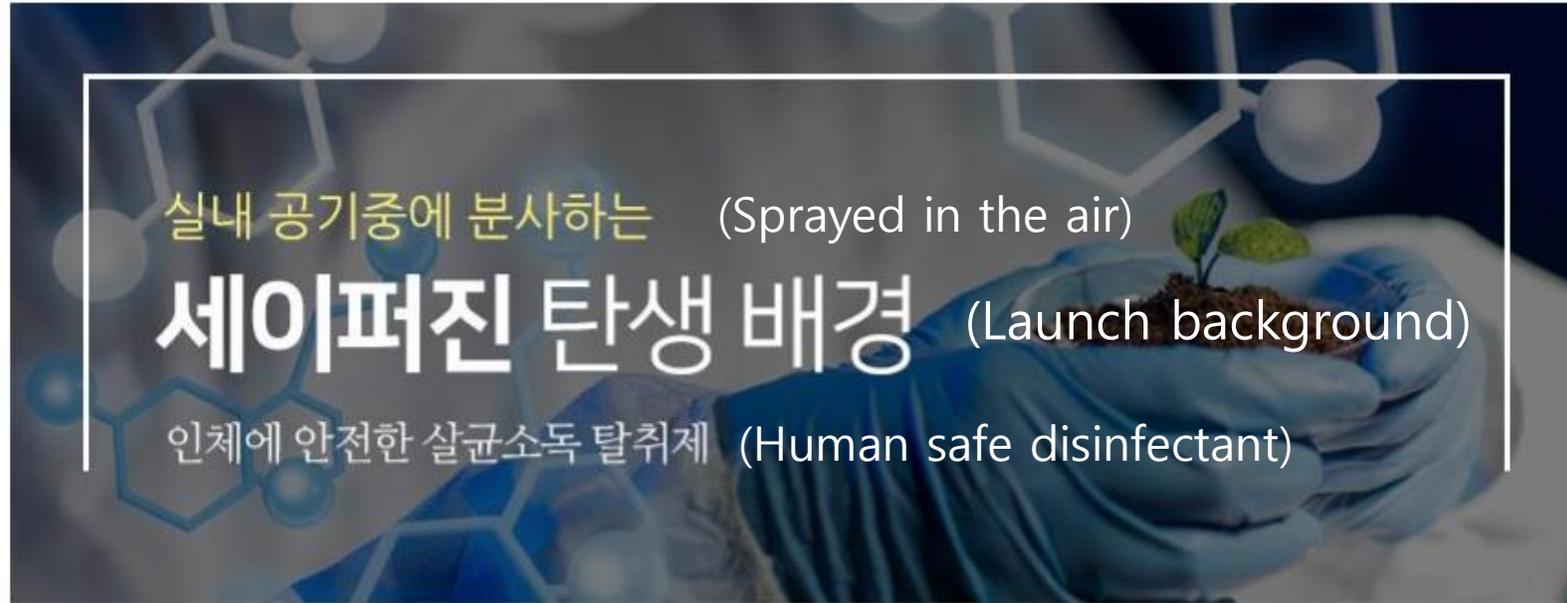
Win Consumer Awards



Irritation / Toxicity Test



Bactericidal Power 99.999%



Bacteria, viruses, and stench caused by global warming are the greatest dangerous elements for human beings  
The most frightening route of transmission of new, mutant viruses that have recently occurred is airborne  
When infection starts too late, it should be predicted and prevented in advance

New SARS / H1N1, Middle East Respiratory Syndrome, which has recently become a national emergency, shows that new and mutant viruses have begun spread or spread in the air, such as close contact and breathing.

It is important to have a product for sterilization, disinfection, and deodorization in the space where humans are active in generating new and mutant viruses.

Therefore, for the safety of the people of the country, promote a SaferJin E-BUS that is safe for the human body and can be directly sprayed in indoor air.

The only product in Korea that perfectly passes security

## Pass 3 important tests of germicidal disinfectants

SAFER-JIN E-BUS 500ml

### 1. Corrosive test

Metal corrosion test results: No metal corrosion

Confirmation method : Put the blade in a paper cup and pour the fungicide for a day



### 2. Bleaching test

Fiber and clothing bleach test results without bleaching

Confirmation method : Put colored clothes in a container / basin and pour fungicide for a day



### 3. Toxicity and irritation test

Eyes, mouth, skin. No abnormal organ test results

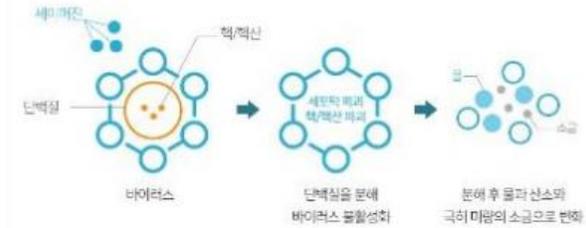
Confirmation method : Spray the sterilizer into the plant / pot or pour the sterilizer directly into the pot



## After Safer Jin sterilization reaction

SaferJin E-Bus breaks down into water, oxygen, and a very small amount of salt after reacting with the virus

And because it is non-volatile, there is no dangerous reaction to gasification



Safer Jin  
Protein-단백질  
Virus-바이러스  
Nuclear / Nucleic acid – 핵/핵산  
Break down proteins – 단백질을 분해  
Virus inactivation – 바이러스 불활성화  
Decomposes into water, oxygen and a very small amount of salt

## Safer Jin Bactericidal decomposition range



세균 –Bacterial  
크기 – Size  
바이러스 – Virus  
진균 – Fungus

Virus, Bacterial, Fungus bactericidal decomposition

# Safer-jin Sterilization Test Data

Type	Properties / Characteristics	Test Results (Inactivation time)
Norovirus	Food poisoning cause virus, consider large-scale infection, strong resistance to alcohol	Within 15 seconds after contact
Influenza	Human, swine, bird infections, infections through contact with saliva, including avian influenza	Immediately after contact
Parvovirus	B19 is a serious illness caused by dogs and cats	Within 1 minute after contact
Coronavirus	Caused by pig infectious disease, SARS or deformed corona virus	Immediately after contact
O-157 coliform	Seminiferous hemorrhagic strains, which easily cause a second infection, food poisoning, and also become a minority	Within 30 seconds after contact
Salmonella	Stomach fever, paratyphoid, infectious two types, will not die if frozen	Within 15 seconds after contact
Vibrio enteritidis	Food poisoning caused by fish and shellfish, breeds especially fast in summer	Within 15 seconds after contact
Staphylococcus aureus	One of the most problematic bacteria in pneumonia, the heat will still remain after the strain kills the toxin	Within 30 seconds after contact
Staphylococcus epidermidis	Adhesion to medical equipment or plastic can cause purulent diseases	Within 1 minute after contact
Methicillin-resistant Staphylococcus aureus	Nosocomial infection is the main cause of staphylococcus aureus produced by methicillin-resistant	Within 15 seconds after contact
Vancomycin-resistant Enterococcus	May increase weight of vancomycin-resistant strains that kill MRSA bacteria	Within 15 seconds after contact
Pneumonia	May develop respiratory and urinary tract infections due to resistance to a wide range of drugs	Within 15 seconds after contact
Listeria	Infections from meat or meat products	Within 15 seconds after contact
Pseudomonas aeruginosa	People with weakened immunity can become infected and have a high tolerance to disinfectants and antibiotics	Within 15 seconds after contact
Legionella	Exist in the atmosphere, found in water such as hot springs / baths	Within 1 minute after contact
Coccus	Can cause immune diseases, rheumatism, acute glomerulonephritis	Within 15 seconds after contact

## Strong resistance

According to the reaction of free radicals to completely destroy the pathogen,  
Strong bactericidal effect on mutant viruses and resistant bacteria

## No bleaching

The clothing does not discolor, so it can be used for various purposes  
For example, deodorization and sterilization.

## Harmless to human body and environment

It is completely harmless even when sprayed in the space where people or animals are located, so it can be used for various applications.

## No corrosion

Various uses, such as machine cleaning, space sterilization, etc.

## odorless

Even if sprayed to prevent infectious diseases such as sterilization in nursing homes, inpatients, and homes, you will not feel uncomfortable

## Space deodorant sterilization

Neutralizes the original odor when sprayed into the space, then breaks down the main causes into water and salt

# Resolved the main products used for bactericidal and anti-virus measures

Stable sodium hypochlorite is an excellent product that improves the disadvantages of various products.

- Mainly used in sterilization products

## Soap, inverse soap

The reversed soap used to adhere to infectious bacteria is to remove the protein that bacteria move due to the alkaline component to prevent spreading infection, but it cannot be expected to have immediate effect and strong bactericidal effect.

※ Reverse soap: cationic surfactant

## Alcohol products

It has an immediate effect on influenza and the like, but has no effect on bacterial viruses such as norovirus. And it is weak to fire, cannot be used to prevent airborne infection, and involves skin and other problems when it comes into contact with humans and animals.

## Chlorine products

Chlorine dioxide is chlorine gas and commercially available sodium hypochlorite, which can kill bacteria or anti-virus in a wide range by the action of chlorine, but has the problems of toxic gas and metal corrosion and fiber bleaching, strong smell of chlorine and short storage time.



## Safer Jin E-BUS Main ingredients: Stable sodium hypochlorite

Instant sterilization

Kill various bacteria and viruses

No metal corrosion

No bleaching

No volatility

No gas is generated

Almost tasteless

Safe for human body and biology

No harmful substances

No stimulation

# Sterilized structure (1)

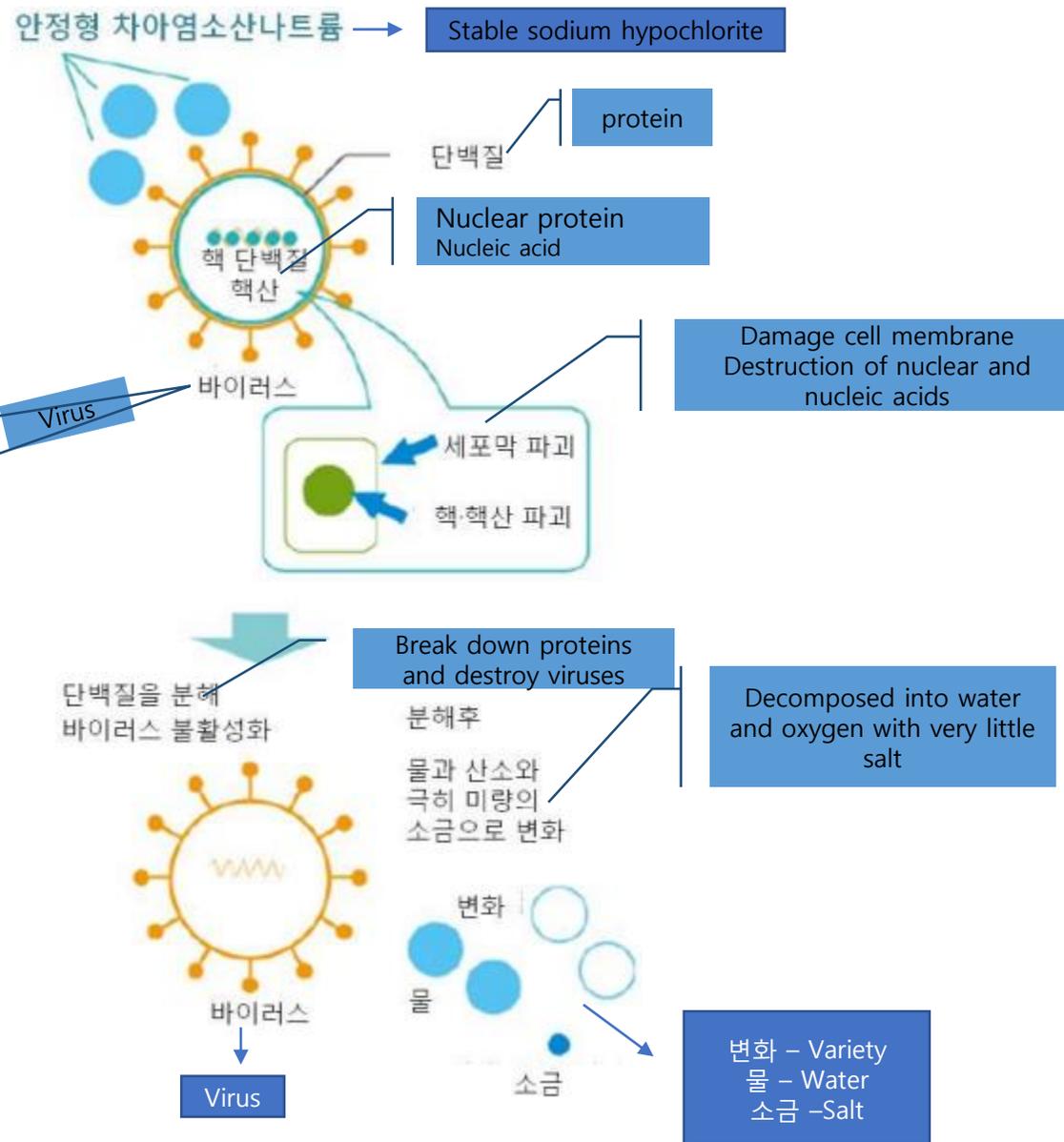
Alcohol products only form an outer membrane for bacteria or viruses, and volatilize the cell membrane wounds of proteins to achieve a bactericidal effect. Alcohol products can be expected to have a bactericidal effect on Norovirus without an external membrane. The safety type of sodium hypochlorite is obvious regardless of the presence or absence of an external membrane.

In addition, it is well known that when the white blood cells in the blood are attacked by bacteria and viruses, the stable component is sodium hypochlorite. Bacteria and viruses destroy cell membranes and cell walls through the oxidation of chlorine, and denature the internal proteins and nucleic acids (destruction due to loss of function and material structure) State) to become inactive.

And it can pass through the size of the biofilm, regardless of the presence or absence of biofilm, it is effective for virus sterilization. Sodium hypochlorite on the market is worried about the production of methane, especially the production of carcinogen chloroform, which will adversely affect the human body. However, stable sodium hypochlorite will decompose according to the passage of time, so it is different from sodium hypochlorite on the market to stabilize ions. By suppressing the promotion of spontaneous decomposition in the aqueous solution, there is no gasification effect, the quality remains constant, and it is difficult to combine with methane, so no methane is produced. After the reaction, it is decomposed into water, oxygen and a very small amount of salt.

In addition, because it is non-volatile, it does not have a dangerous reaction to gasification. The active ingredient will sterilize bacteria and viruses to the end, and it is a stable alkaline substance. It breaks down the energy and nuclear proteins of bacteria and viruses to inactivate it, thereby preventing its activity and value-added.

At the same time, organic odor is the main cause of bacterial and viral activities. Therefore, the deodorization effect is achieved by inactivation (elimination).



## Comparison with existing products

A new concept product developed to solve the problems of alcohol, chlorine dioxide, hypochlorous acid and other products that are currently representative of bactericidal disinfectants on the market.

Product type	Stable product	Alcohol products	Hypochlorous acid products	Chlorine dioxide products	Strong alkaline electrolyzed water
Sterilization time	1 second to 1 minute	Tens of seconds ~ 1 minute	Tens of seconds ~ 3 minutes	A few seconds to 3 minutes	1 second to 1 minute
Sterilizing ability	All virus bacteria are effective	Virus effective	Some virus bacteria are effective	All virus bacteria are effective	Some virus bacteria are effective
Deodorizing power	Effective immediately	No	Effective	Effective	Some activation
Metal corrosion	No	No	Corrosion	Corrosion	almost none
Bleach	No	No	Presence	Presence	Some have
Flammability	No	Presence	No	No	No
Irritating	No	Eye attention	Slightly exist	Slightly exist	Eye attention
Volatility	No	Presence	Presence	Presence	No
odor	almost none	Irritating odor	Irritating odor	Irritating odor	almost none
Mixed with other	No danger	Slightly exist	Danger (acidic substance)	Danger (acidic substance)	No danger
Toxicity	No	Draw danger	Toxic gas generation	Toxic gas generation	almost none
Environment safety	Environmental safety	Dangerous when used outside of the purpose	Have an impact on the environment	Have an impact on the environment	Environmental safety
Defect	Weak to high temperature and ultraviolet	Particularly dangerous in high temperature confined environments	Due to methane damage, weak to high temperature and ultraviolet	Weak to light and temperature Danger of explosion at certain concentrations	High equipment costs Weak to UV

# Deodorizing method

This product is different from the physical deodorization method or sensory deodorization method used for cheap deodorants. According to the two high deodorization methods of biological deodorization method and scientific deodorization method, it can achieve very prominent deodorization effect

## Types of deodorization methods

Type	Biological deodorization	Chemical deodorization	Physical deodorization	Sensory deodorization
Feature	There are methods to remove odors based on the proliferation of bacteria such as food waste, methods to suppress reproduction with antibacterial agents, etc., and to break down bacteria with microorganisms.	The method that replaces the components that cause the bad odor with the chemical and replaces them with odorless components. The chemical reaction directly in this chemical reaction is called "neutralization reaction". There are oxides in the deodorizing components and the bad odor. The "oxidation and reduction" of the components is replaced by odorless oxides. Is to change the stench to tasteless by changing the structure.	The deodorization method using components that suppress the cause of malodor or the encapsulating substance, and the method of suppressing the malodor components or masking methods to prevent the generation of odor.  There are types of attracting by type.	The method of wrapping the malodor with perfume ingredients, the fragrance and other aromatic components are stronger than the malodor, so the malodor is covered up.  The "masking method" is to intercept the malodor and other aromas and neutralize them to become a good aroma.  The "pairing method" is the method most commercially available. Most of the deodorants and fragrances are cited in this method.
Advantage	A highly selective deodorant (deodorization by decomposing malodor-causing bacteria) is possible, and the deodorizing capacity is relatively large. It is difficult to re-discharge the substance with a bad odor.	A highly selective deodorant (deodorizing by focusing on the substance causing the malodor) is possible, and the deodorizing capacity is relatively large. It is difficult to re-discharge the substance with a bad odor.	It is relatively easy for one deodorant to remove substances that cause multiple odors at the same time.	It is more suitable if the comfort of fragrance is required more than the deodorizing effect. There is a weak requirement for deodorizing ability, and no deodorizing effect is required.
Disadvantage	Bad gases through minerals and chemicals	It is relatively difficult for a deodorant to remove substances that cause multiple odors at the same time (especially substances with different polarities).	The deodorizing capacity is relatively small, and the cause of the foul odor is easily re-emitted.	The components that cause the malodor still exist, so they cannot solve the deodorization problem.  Personal orientation of spices is different, and unnecessary spice flavors can cause discomfort. The combination of foul odor and air may produce a more unpleasant taste.

# Product Features(1)

- Strong deodorization

It is especially effective for organic odors such as smoke and old odors. Ammonia odor is decomposed into harmless and odorless. It has a very prominent deodorizing effect. Not only food waste, but the eight major odors specified by the Ministry of the Environment cannot be removed.

It is also effective for the malodor generated by the decomposition of organic matter in microorganisms and the smell of organic medicines (permanent fluid, etc.). After spraying in the air, the smell remaining in the air can also be eliminated.

## [8 Big Stench]

- Ammonia ----- toilet taste, rotten meat taste
- Hydrogen sulfide ----- toilet smell, rotting egg and vegetable smell
- Trimethylamine ----- Rotten fish
- Styrene ----- The smell of burning plastic
- Gucci thiol ---- Rotten vegetable flavor
- Methyl sulfide ----- Rotten vegetable flavor
- Methyl Disulfide ----- Rotten vegetable flavor
- Ethanol ---- Smoke

Deodorizing effect in the following cases

Smoke

Stale smell

Toilet taste

The smell of dirt on the urine

Rotten taste

Shoe smell

Pet smell

Odor on clothes

Inside or inside the car

Why does it taste?

The odor caused by bacterial activity in sweat is inactivated to achieve the effect of eradicating and deodorizing. In addition, the elements of the odor substance cause the consumption of chlorine and the combined production of chlorine, and eventually decompose the elements produced by nitrate ions. Ammonia is a gas generated when the protein is decomposed in the body.

Rotten odor, oxidized hydrogen sulfide, odor of sulfur, water and sodium chloride, ethanol is odorless by oxidative decomposition.

## Product Features(2)

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- Strong and instant sterilization

This product instantly decomposes and inactivates the protein components of bacteria and viruses, and sterilizes it. It also proves that norovirus, O-157 is also valid. In addition, bactericidal action with the most famous effective chlorine concentration of bactericidal ability can immediately kill more than 99% of bacteria without waiting for many bacteria and viruses. The bactericidal effect is obtained instantly, so not only viruses in the air or existing viruses are effective in sterilization prevention.

➤ Adapted bacteriaViruses (main examples)

- Salmonella
- Vibrio enteritidis
- Serratia
- Glucoccus aureus
- Norovirus
- HIV virus
- O-157
- Pseudomonas aeruginosa
- Coliform
- SARS virus
- Trichophyton
- Flu
- Herpes 1.2
- MRSA
- Polio virus
- Legionella
- Chlamydia
- Oncobacterium
- Coxsackievirus B8
- Hepatitis virus
- Newtown germ virus

## Product Features(3)

- Antibacterial test for viruses (Japan Food Analysis Center)

Feeling time (min) virus unit : PPU / ml			0 min	1 min	3 min
Influenza virus	Control group	Average value	$5.83 \times 10^4$	$1.05 \times 10^5$	$9.00 \times 10^4$
	Test fluid	Log transformed value	4.77	5.02	4.95
		Average value	$< 10^2$	$< 10^2$	$< 10^2$
		Log transformed value	$< 2.00$	$< 2.00$	$< 2.00$
		LRV	$< 2.8$	$< 3.0$	$< 3.0$
		% Sign	99.72%	99.90%	99.90%
Corona virus	Control group	Average value	5.4	5.3	5.5
	Test fluid	Average value	$\leq 1.50$	$\leq 1.50$	$\leq 1.50$
		LRV	$\leq 3.9$	$\leq 3.9$	$\leq 3.9$
		% Sign	99.98%	99.98%	99.98%
Parvo virus	Control group	Average value	5.7	5.8	5.7
	Test fluid	Average value	3.4	$\leq 1.50$	$\leq 1.50$
		LRV	2.3	$\leq 4.2$	$\leq 4.2$
		% Sign	99.27%	99.27%	99.99%

(재) Institute of Animal Safety and Chemical Safety

Through the testing, inspection, research and development of animal medicines, human medicines, feeds, feed additives, pesticides, chemicals, and aquatic products, the purpose is to promote academic development, revitalize the animal husbandry industry, and improve food hygiene and public health. Public Corporations of the Ministry of Agriculture, Forestry and Fisheries and the Ministry of Health, Labour and Welfare

Designated by the Minister of Health and Welfare as an inspection agency under the provisions of the Food Sanitation Law and testing of pharmacists in accordance with the Pharmacist Law.

Designated as a testing agency by the Minister of Health and Welfare

## Product Features (4)

- Antibacterial test for viruses (Japan Food Analysis Center)

Measurement results of the number of bacteria per 1 ml of the test solution

Test bacteria		O-157	VRE	Legionella	Listeria	Pseudomonas aeruginosa	salmonella
Viable bacteria count(/ml)	Start period	$1.3 \times 10^5$	$1.1 \times 10^5$	$2.7 \times 10^7$	$6.5 \times 10^5$	$1.0 \times 10^5$	$6.8 \times 10^5$
	After 15 seconds	> 10	> 10	$5.0 \times 10^5$	> 10	> 10	> 10
	After 30 seconds	> 10	> 10	$1.6 \times 10^3$	> 10	> 10	> 10
	After 1 minute	> 10	> 10	> 10	> 10	> 10	> 10

Test bacteria		Staphylococcus aureus	Staphylococcus epidermidis	Streptococcus	Vibrio enteritidis	MRSA
Viable bacteria count(/ml)	Start period	$3.2 \times 10^5$	$7.3 \times 10^5$	$6.7 \times 10^5$	$4.6 \times 10^5$	$1.4 \times 10^6$
	After 15 seconds	> 10	$2.3 \times 10^5$	> 10	> 10	> 10
	After 30 seconds	> 10	> 10	> 10	> 10	> 10
	After 1 minute	> 10	> 10	> 10	> 10	> 10

- Bacterial inactivation test (Tokyo Institute of Microbiology and Visual Biology Co., Ltd.)

Coliform

Staphylococcus aureus

Pseudomonas aeruginosa

Methicillin-resistant Staphylococcus aureus (MRSA)

Salmonella

Vibrio enteritidis



**No bacteria detected after five minutes**

## Product Features(5)

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- No corrosion · No bleaching

Because it is weakly alkaline, there is no need to worry about the corrosion problems that can be seen in chlorine products, so it can be used with confidence in metal processed products, precision instruments, fiber products and clothing. Of course, the inspection agency has proved that the metal corrosion level is almost equivalent to pure water (please pay attention to the use on electronic components and electronic products. In addition, because it is not corrosive, there is no need to worry about problems such as discoloration / discoloration when sprayed on fibers. Can also be used with peace of mind in the color and pattern of clothing fibers, etc. (think of the same level as ordinary detergents).

- Metal corrosion test commissioned by a large Japanese private test institute → Corrosiveness equivalent to distilled water

- Tasteless

Alcohol products have their own peculiar smell. The smell of chlorine products may be unpleasant, such as the smell of chlorine and unique spice smells smelled in the swimming pool. But this product is almost odorless and odorless. Of course, no spices are used at all, so people who are sensitive to taste during or after use can use it with peace of mind.

- ※ Taste grade: Sodium chlorite with similar effective chlorine concentration 1/130

- No volatility

Unlike volatile alcohol products, it is non-volatile, so it does not irritate the skin after use, and it is not irritating to people with dermatitis and sensitive skin. As long as the ingredients in the product and the product ingredients remain in contact with bacteria and viruses, they can continue to exert bactericidal effects. Chlorine products are volatile and the effective chlorine concentration is reduced, so the effect is greatly reduced in the short term, but this product is non-volatile, so it can be used stably for a long time without reducing the effective chlorine concentration.

## Product features (6)

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- safety

This product is approved for use as a safe food additive, so bacteria and viruses become water and oxygen after being sterilized, which is very safe for people and the environment. If it is sprayed on the mouth or inhaled, it is not dangerous to the human body. It is also non-irritating when it is sprayed on the sensitive skin or the inflammatory part. It has no negative effects and can be used safely in places with elderly, children and pregnant women. In addition, because there is no need to worry about harmful substances such as flammability of alcohol products, toxic gas production of chlorine products and active oxygen generation of methane, you can safely use this product anytime, anywhere.

Of course, even if thrown directly to the drain after use, it will not have a harmful effect on the environment and is a natural environmentally friendly product.

- According to Tokyo Food Technology Institute safety test
  - Acute toxicity test in mice (mouth)
  - Local toxicity test in mice (eye mucosa)
  - Local irritation test in mice (skin)→ No exceptions

- According to Japan Food Analysis Center safety test
  - Eye irritation test using rabbit → no irritation
  - 1 irritation test using rabbit skin → no irritation
  - Rabbit acute toxicity test (mouth) → No abnormality
  - Rabbit acute toxicity test (intratracheal) → no abnormality

Intratracheal toxicity test = inhalation toxicity test



# Examples of main uses (1)

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- Medical environment
  - Wards, treatment rooms, nosocomial virus prevention measures
  - Infection prevention after the event
  - The deceased washed and disinfected
  - Infection prevention in emergency vehicles, germicidal deodorant
  - Sterilization and infection prevention for patients and medical staff
- Infection prevention measures
  - Deodorization, sterilization and infection prevention of various transportation facilities in public areas
  - Nursery, kindergarten, nursing home
  - Deodorization and infection prevention in rooms, halls, karaoke, pet cafes, etc.
  - Deodorization of chicken sheds, pig sheds, and cow sheds. Infection prevention
- Countermeasures against food poisoning
  - Sterilization, deodorization and cleaning of kitchens and kitchen equipment in restaurants
  - Sterilization, deodorization and cleaning of food processing plants
  - Food sterilization and washing
  - Extraction of raw materials for aquatic products and livestock processing, sterilization and deodorization during storage. Clean.
  - Sterilization of hygiene-related equipment. Deodorization, cleaning, and food poisoning countermeasures
  - Mildew prevention measures

## Examples of main uses(2)

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- Living room etc.  
Smoke and carpet, sofa and other cloth products  
Used in addition to pet taste  
Sterilization (floating germs)
- Kitchen and cafeteria  
Stench from food waste, etc.  
In addition to the taste of food and oil mixed  
Sterilization in the air
- Beauty salon, skin management room, manicure, etc.  
Unique odor deodorant generated in business space  
Preventing virus infection through bactericidal action
- Inside the car  
Spray directly on the car mat, sun visor and spray throughout the room  
Remove the odor in the car  
Spray around the air outlet of the air conditioner
- Boots and shoes  
Removes unique stench and musty smell  
Deodorize by spraying on boots and shoes  
Prevent bacteria and athlete's foot from multiplying and sterilizing
- Clothing textiles  
Smoke and sebum, ammonia  
In addition to sensitive taste  
No need to worry about bleaching or corrosion
- Washroom  
Bad smell and deodorization of the entire space  
Toilet sterilization and deodorization  
Space sterilizing effect, very hygienic
- Baby bottles and baby toys  
Suitable for deodorizing and sterilizing baby bottles and baby toys  
Gently spray and wipe off immediately  
Effective for sterilization when going out
- Do laundry  
Spray on laundry drying indoors during the rainy season  
Deodorant to remove sensitive taste
- Prevent mold
- Prevent mold growth, such as air conditioners, washing machines, refrigerators Unique odor

## Examples used by this product

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- Inside the airport
- Station waiting hall and inside the station
- Hotel lobby and guest room
- Coach
- Hospital & Nursing home
- Wash imported fish when thawed overseas
- Restaurant & Karaoke
- Food processing plant, beverage manufacturing plant
- Temporary toilets and emergency shelters
- Poultry farm, pig farm, cowshed

## Storage time of this product

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**Before opening: 3 years or more** After opening: about two years

※ It should be stored in a cool and UV-free place at a temperature of 5 °C ~ 36 °C.

## Cautions when using

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- Avoid using in high-temperature places, saunas, heating humidifiers, etc., no effect at high temperatures
- Store in a cool place at normal temperature without temperature changes when possible (weak against freezing, high temperature, and weak UV)
- Avoid using aluminum products
- Avoid inhalation
- Please use within the range specified by the usage method

# Thank You!

E-Mail : [ocean-bio@naver.com](mailto:ocean-bio@naver.com)

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