

SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

NO ALCOHOL!! NO IRRITATION !!CAN DRINK DISINFECTANT!! Healthy For Everyone.Long-acting broad-spectrum physical sterilization can kill over 650 species of virus and bacterium

It can be used for disinfection of face mask as applying once may allow the service time of a mark lasting even as long as 7 days with the lethal rate up to 99.99%

It can be applied to skin, wound and mouth as anti-bacterial and cleaning method without any side effect on human body

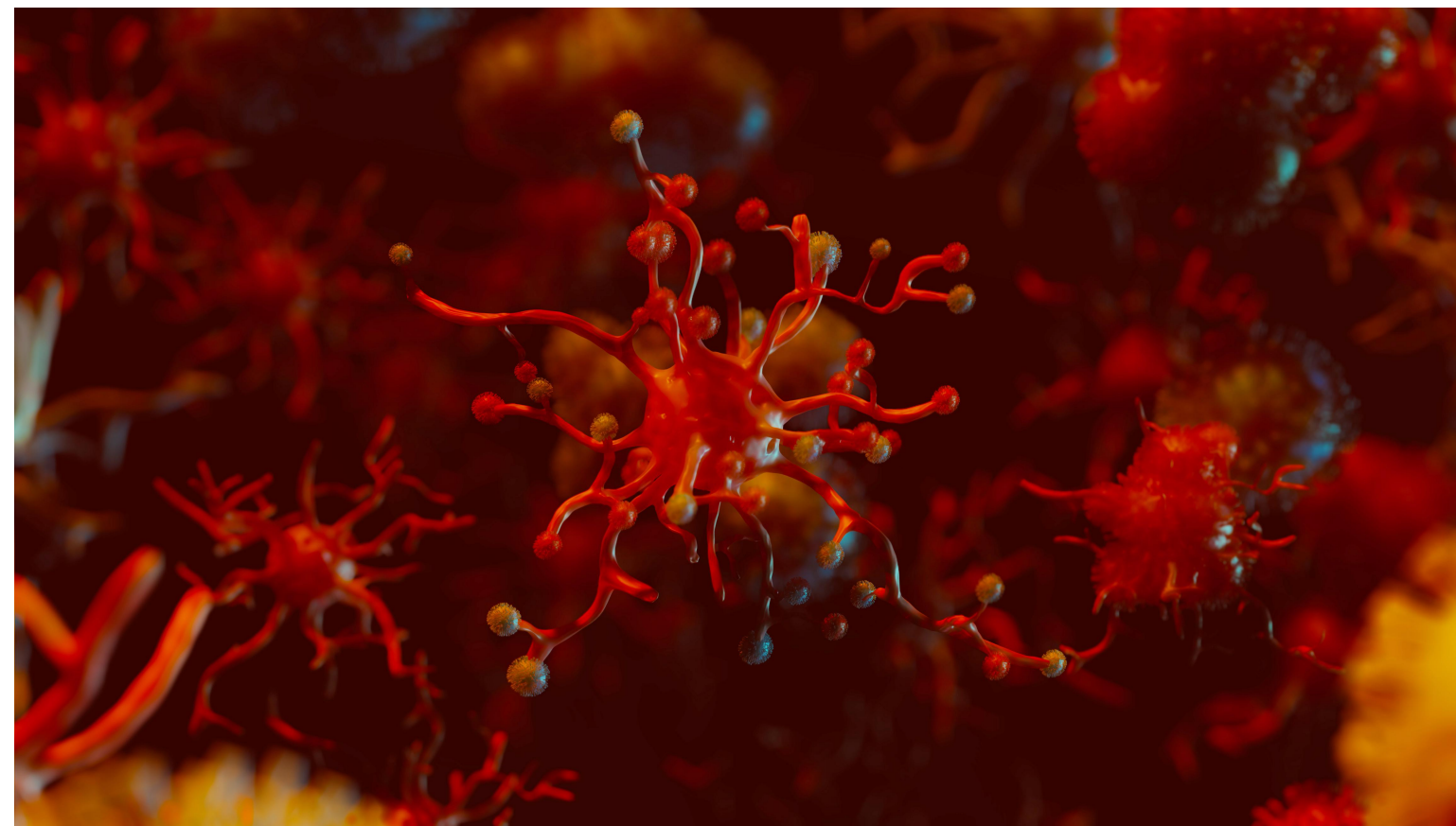
It can be used for daily disinfection in family, workplace, hospital and car!



Information

Kill more than 600 kinds of virus including COVID-19 virus and bacteria Lethal rate reaches 99.99% with continuous disinfection effect. A layer of protective membrane would be formed when silver ion is killing bacteria and virus to continuously control the bacteria and prevent second infection





Information

The 2019 novel coronavirus has the potential to be a global pandemic. The virus has now been detected in Australia, Canada, Finland, France, India, Italy, Japan, Nepal, Russia, Singapore, Spain, Taiwan, Thailand, Vietnam, the United States and over a dozen other countries.

HOW SILVER ION ANTIBACTERIAL SPRAY HELPS IN CORONA VIRUS CRISIS

Information

It has function of antibacteria and disinfection, can kill more than 600 kinds of bacteria (including escherichia coli, staphylococcus aureus and Candida albicans). Effect of disinfection reaches 99.99% with no side effect. It applies to individual, indoor space such as house, school, hotel, hospital, vehicle and etc. When in use, spray the part which needs to be sterilized and clean, let it dry as normal. It could be used to sterilize common object surface, such as hand skin, face mask and etc, effectively inhibiting cross-infection. It has no alcohol and is non-irritating to skin.

HOW SILVER ION

ANTIBACTERIAL SPRAY HELPS IN CORONA VIRUS CRISIS

The experiment proves that the inorganic nano silver ion material is the most stable antibacterial material, and its stable physical and chemical properties are very effective in inhibiting pathogenic bacteria and can help prevent respiratory diseases. "We have developed the excellent antibacterial properties of nano-silver ions into a brand-new disinfectant, which can broad-spectrum sterilize, last antibacterially, and inhibit the growth and accumulation of germs on the surface of articles without pollution residues, protecting people's lives and health.

- ✓ For Mask deinfection ,A Mask can be used in 7 Days with one spray on it
- ✓ Kill more than 600 kinds of virus and bacteria Lethal rate reaches 99.99% with continuous disinfection effect up to 10 days

	Silver ion antibacterial spray	75% ethanol (alcohol)	Sodium hypochlorite (84 disinfectant)	hydrogen peroxide (H2O2)
Smell	None	Pungent	Smelly	None
Irritation	None	Irritating	Irritating	Irritating
Corrosion	None	High corrosive	Low corrosive	Low corrosive
Safety	High (no cancerogen, non-irritating)	Medium (sensitive to skin, possibility of combustion)	Medium (higher irritating to skin and respiratory system than hydrogen peroxide)	Low (irritating to eye and skin)
Effect of disinfection	High	Medium	Low	Medium
Disinfecting rate	Quick	Slow	Slow	Slow
Effect continuity	Long	Short	Short	Short
Human injury	None	Flam mable, long-time contact would irritate skin or cause various kinds of sensitive reaction	Strong cancerogenic and corrosive, irritating to respiratory mucosa and easy to increase possibility of flu for children	Sense of irritating and tingle. Corro-sive injury would cause blindness, tissue necrosis and pulmonary edema in severity

SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR
LIFE



Colloidal silver could kill 650 pathogens within up to six minutes after ingestion, including pathogenic microorganism already immune to antibiotics. It does not attack any important bacteria in the body, but only attacks aggressive mutants. Colloidal silver has no side effects and can also strengthen the immune system, rather than weakening it like antibiotics. It doesn't interfere with any other drugs, and doesn't cause upset stomachs; instead, it is helpful for digestion.

**HOW
COLLOIDAL
SILVER
HELP US?**

SILVER ION ANTIBACTERICAL & ANTI-VIRUS SPRAY

PROTECT YOUR
LIFE

How colloid silver help us

According to the medical journal, colloidal silver is an effective broad- spectrum natural "antibiotic". All single-celled parasites (fungi, bacteria, viruses) need an enzyme to exchange oxygen. Tiny colloidal silver particles can penetrate single-celled bacteria to prevent enzymes generating oxygen. The parasite's metabolism stagnates and it dies. That is, colloidal silver allows harmful bacteria, viruses and parasites to lose their offspring in shortest time. It has shown by experience that colloidal silver does not damage health-promoting bacteria and not affect normal skin cells. 1. Colloidal silver can inhibit phosphomannose isomerase in yeast; 2.It inhibits the release of histamine and prostaglandin in allergic and inflammatory reactions; 3.It buffers excessive immune system responses, thereby relieving symptoms of allergies and inflammation; 4.In the case of open wound, it has a contraction effect on the wound surface, greatly accelerating the healing; 5.It keeps skin elastic in areas of mechanical stress. Colloidal silver can bind redundant electrons in the body. Therefore, it supports detoxification from heavy metal pollution. Silver not only has destructive effect to harmful forms of life, but also supports formation of important tissues in human body. For example, Dr. Robert O. Becker, author of The Body Electric and a prominent biomedical researcher at Syracuse University, who believes that silver creates deep healing stimuli for skin and other fragile tissues. It promotes bone growth in a special way and speeds up healing by more than 50%. "These cells grow rapidly, producing an amazing collection of primitive cell forms which can reproduce at high speed and then differentiate into specific cells for organs or damaged tissues, even in patients over the age of 50."Dr. Becker has even found that colloidal silver can transfer cancer cells into normal cells. Dr. Becker was also aware of the relationship between low silver content and disease. The average silver content in the body is 0.001%. Becker claimed that decrease of this value was the cause of abnormal immune system function. As a result, silver appears to play an important role in the basic processes of human body

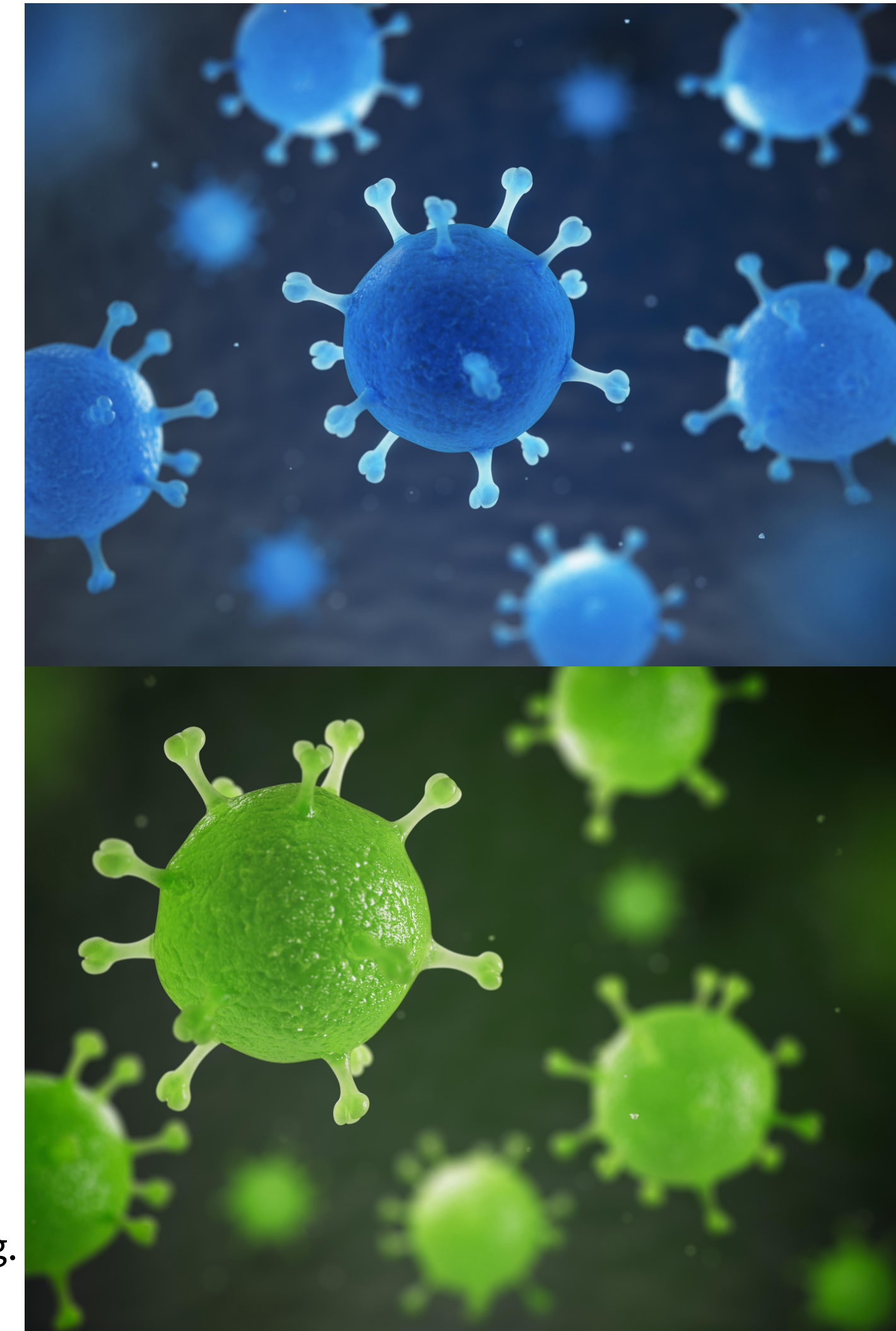
Detailed scope of colloidal silver:

1. Pneumonia Our modern medicines have limited effectiveness in fight against bronchitis or pneumonia. Usually, antibiotics are the first line of defense, but when the pneumonia virus is infected, antibiotics don't help at all. The advantage of colloidal silver is that it can provide help regardless of the pathogen. When taken internally, colloidal silver is an excellent product against bronchitis and pneumonia. But what is a more effective way to use it? Just breathe it directly into your lungs. Inhaled directly through a spray device, so that the silver comes into direct contact with the lung bacteria that cause bronchitis or pneumonia. This is basically the same as using respiratory support and can work quickly and clean up in a few days.

2. Anti-inflammatory Colloidal silver is an excellent anti-inflammatory medicine. Case study: NIH researchers checked the effects of treating inflammation with colloidal silver. They found that the infected skin of pigs treated with silver almost returned to normal skin in 72 hours, while the other untreated groups remained inflamed. Colloidal silver reduces swelling, accelerates healing and promotes cell renewal!

3. Conjunctivitis/ear infection Conjunctivitis, also known as red-eye disease, is an inflamed mucous membrane that covers the eyes and eyelids and is caused mainly by bacteria or viral infection. Colloidal silver can be used immediately against these irritating and highly infectious viruses and bacteria. When sprayed directly on infected eyes, the tiny silver gel can absorb the infected cells by electromagnetism attracting and sending them into the bloodstream to eliminate. Our modern prescription antibiotics are intended to fight against certain kinds of bacteria, but ear infections can be caused by a variety of bacteria and even fungi. In this case, prescription antibiotics are useless, while colloidal silver is effective against infections under all causes.

4. Wound care/skin health Robert O. Becker, m.d said colloidal silver stimulated the healing of skin and other soft tissues. A study published by Pharmacognosy Communications in 2012 explicitly recommended that colloidal silver formulations would be considered for local use in burns, thrush, periodontitis and other disease conditions. For example, you can treat ringworm with colloidal silver at home because it is an effective antifungal agent. Ringworm is caused by fungi that live on the surface of the skin, is circled and flaky spot. It is contagious and spreads through skin contact and contaminated materials such as clothing. Colloidal silver relieves and even repairs tissue damage caused by burns, having soothing effect. In fact, in a study by the Journal of Family Medicine and Primary Care, silver-based colloidal nanogels have been successfully used as dressing for bullet wounds in surface. Gel dressings based on silver nanoparticles for wounds and even chronic wounds are becoming more common. Historically, silver has been used for burns locally, but its use was artificially discontinued after the advent of antibiotics. However, in 1960s it became popular again. SSD creams produced with combination of silver nitrate and sulfadiazine sodium has caused many patients to recover from burns.

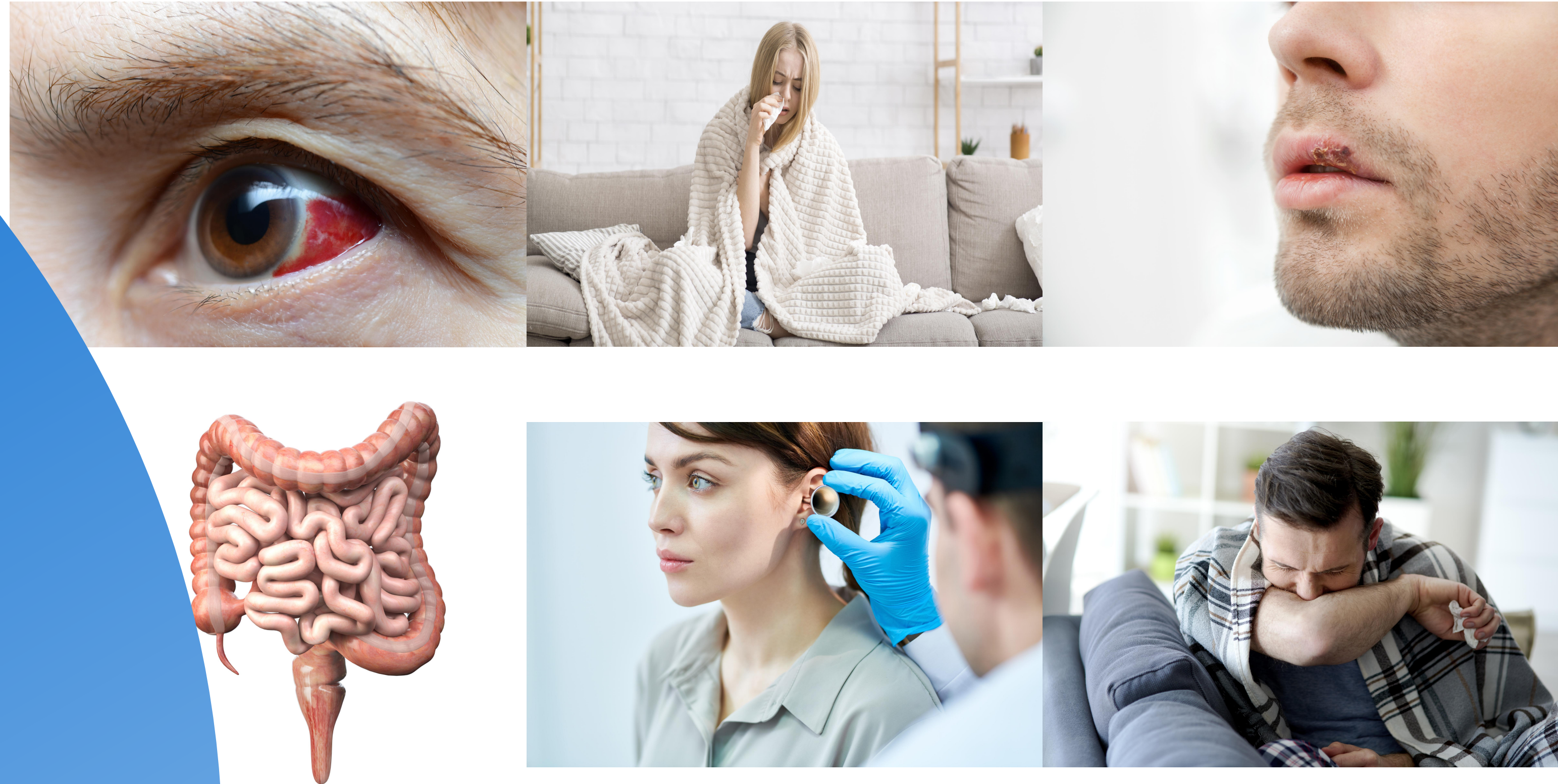


SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

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WHAT COLLOIDAL SILVER CAN HELP?

Colloidal silver is widely used to cure, for example, eye disease (inflammation, ulcer), respiratory disease (flu, whooping cough, pneumonia, angina, sinusitis, runny nose, etc.), skin disease (acne, dermatitis, fungi, herpes simplex and herpes zoster, etc.), the genital area disease (bladder inflammation prostate problems, etc.), the digestive tract disease (diarrhea, gastritis, infection), and other various diseases (ear infections, scarlet fever, etc.). If there is inflammation in the throat or mouth, gargle and rinse with colloidal silver. Also it can be sprayed directly in affected part of mucous membrane without no irritation. It is recommended to spray directly for many other diseases, such as sunburn, open wounds, eye or ear inflammation. External usage applies to skin disease such as acne, warts, open wounds, herpes, psoriasis (psoriasis), athlete's foot and similar symptoms. For such diseases, a cloth impregnated with colloidal silver may be used to wipe the affected area. Another way is to try to use bandages soaked in colloidal silver, for example, for warts, cuts and scrapes. It can also be used to spray in ambient environment to clean and purify space, killing virus and disinfecting



SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Does colloidal silver have side effects? If the colloidal silver is purchased through regular channels, it is safe and reliable with no side effect as the colloidal silver is made with highly purified distilled water and 99.99% medical silver through strict manufacturing process. In theory, overdosing is also impossible because you will have to drink at least 800mm, nearly a litre at a time. High-quality colloidal silver is supplied to the body more or less like a microelement and is excreted through kidneys or intestines within a day or two after it has completed its task in the body. Colloidal silver should be avoided in cases of renal insufficiency

**Does
colloidal
silver have
side effects?**



SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY Family



Differnt sizes and silver ion Atomizing Deinfector

we provide different size of product and devices to satisiffy different purposes

SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Silver ion Antibacterial Spray 100ml

This product is developed using international advanced silver ion antibacterial technology.

The test proves that it has antibacterial effect on Staphylococcus aureus, Escherichia coli, and Candida albicans, and the antibacterial effect reaches 99.99%



【raw material】 Silver ion、 Purified water. IActive Ingredient and content Silver ion. Silver ion 0.003% Purified water 99.997%[

【Dosage form】 Liquid.

【Scope of application】 for antibacterial|cleaning of hand skin, masks and other|general objects, but also for antibacterial|cleaning of oral cavity.

【Instructions】 :Take this product and spray,wipe,and rinse on the desired area.

【Precautions 】

- 1、 Avoid using with chlorine and iodine products.
- 2、 Silver allergy suffer use it with caution

【 Specifications】 500ml IStorage】 Normal temperature, avoid direct sunlight.

【Shel life】 24 months



SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Silver ion Antibacterial Spray 500ml

This product is developed using international advanced silver ion antibacterial technology.

The test proves that it has antibacterial effect on Staphylococcus aureus, Escherichia coli, and Candida albicans, and the antibacterial effect reaches 99.99%



【raw material】 Silver Ion、Purified water. IActive Ingredient and content Silver Ion. Silver Ion 0.003% Purified water 99.997%[

【Dosage form】 Liquid.

【Scope of application】 for antibacterial|cleaning of hand skin, masks and other|general objects, but also for antibacterial cleaning of oral cavity.

【Instructions】 :Take this product and spray,wipe,and rinse on the desired area.

【Precautions 】

- 1、 Avoid using with chlorine and iodine products.
- 2、 Silver allergy suffer use it with caution

【 Specifications】 500ml IStorage】 Normal temperature, avoid direct sunlight.

【Shel life】 24 months



SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Silver ion Antibacterial Spray 5kg

This product is developed using international advanced silver ion antibacterial technology.

The test proves that it has antibacterial effect on Staphylococcus aureus, Escherichia coli, and Candida albicans, and the antibacterial effect reaches 99.99%



【raw material】 Silver ion、 Purified water. IActive Ingredient and content Silver ion. Silver ion 0.003% Purified water 99.997%[

【Dosage form】 Liquid.

【Scope of application】 for antibacterial|cleaning of hand skin, masks and other|general objects, but also for antibacterial|cleaning of oral cavity.

【Instructions】 :Take this product and spray,wipe,and rinse on the desired area.

【Precautions 】

1、 Avoid using with chlorine and iodine products.

2、 Silver allergy suffer use it with caution

【 Specifications】 500ml IStorage】 Normal temperature, avoid direct sunlight.

【Shel life】 24 months



SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Silver ion Antibacterial Spray 25kg

This product is developed using international advanced silver ion antibacterial technology. The test proves that it has antibacterial effect on Staphylococcus aureus, Escherichia coli, and Candida albicans, and the antibacterial effect reaches 99.99%



【raw material】 Silver Ion、 Purified water. IActive Ingredient and content Silver Ion. Silver Ion 0.003% Purified water 99.997%[

【Dosage form】 Liquid.

【Scope of application】 for antibacterial|cleaning of hand skin, masks and other|general objects, but also for antibacterial|cleaning of oral cavity.

【Instructions】 :Take this product and spray,wipe,and rinse on the desired area.

【Precautions 】

- 1、 Avoid using with chlorine and iodine products.
- 2、 Silver allergy suffer use it with caution

【 Specifications】 500ml IStorage】 Normal temperature, avoid direct sunlight.

【Shel life】 24 months

SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE



Deinfection solutions for

Hospital, office, Shopping mall, Houses

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Silver ion atomizing deinifector

Ultrasonic anion spray, silver ion deinfection, intellgent contant humidity

SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Silver ion Atomizer Deinfector

ultrasonic atomization releases abundant silver ion spray with sterilization function, which can be used for sterilization and disinfection in such public spaces as wards, classrooms, stations, etc., where multiple people gather together. It is developed and produced with the internationally advanced silver ion antibacterial technology



Function: Ultrasonic anion spray, silver ion disinfection, intelligent constant humidity

Disinfection Method: the spray releases silver ions for sterilization and disinfection

Humidification Mode: four-core intelligent fogging

Product Size: 31 x 25 x 62cm

Water Tank Capacity: 23.8L

Power Supply: AC

Rated Power: 110W

Working Voltage: 220V

Frequency: 50HZ

Safety Protection: powered off upon water depletion

Maximum Fogging: 2000ML/H

Suggested Use Area: 120-200m²

Operation Mode: touch and remote control

Quantity of Fog Outlets: one

Noise: <36dB Humidifier Model: FY-V2

Style: floor stand

Intelligence Type: intelligent anion function, sleep mode, constant humidity function

Display Type: LED Display Large Screen

Applicable Range: for household, commercial and industrial use and others



SILVER ION ANTIBACTERIAL & ANTI-VIRUS SPRAY

PROTECT YOUR LIFE

Silver ion Atomizer Deinfector

ultrasonic atomization releases abundant silver ion spray with sterilization function, which can be used for sterilization and disinfection in such public spaces as wards, classrooms, stations, etc., where multiple people gather together. It is developed and produced with the internationally advanced silver ion antibacterial technology



- Function: Ultrasonic anion spray, silver ion disinfection, intelligent constant humidity Disinfection Method: the spray releases silver ions for sterilization and disinfection Humidification Mode: dual-core intelligent fogging
- Product Size: 24 x 24 x 92cm
- Water Tank Capacity: 15L
- Power Supply: AC
- Rated Power: 48W
- Working Voltage: 220V
- Frequency: 50HZ
- Safety Protection: powered off upon water depletion
- Maximum Fogging: 1000ML/H
- Suggested Use Area: 60-120m²
- Operation Mode: touch and remote control
- Quantity of Fog Outlets: one
- Noise: <36dB
- Style: floor stand
- Intelligence Type: intelligent anion function, sleep mode, constant humidity function Display Type: LED Display Large Screen
- Applicable Range: for household, commercial and industrial use and others





Safety Data Sheet (SDS)

Creation Date:2020/03/16

Revision Date:2020/03/16

Version:20200316

Prepared according to UN GHS (the 8th revised edition)

Product Name:Fuyangkang Silver Ion Antibacterial Spray

Model:/

Company Name:

Written by TJTest Technology (Shanghai) Co., Ltd.



1、Identification of the chemical and supplier

- 1.1 Product identifier

Product Name:

Fuyangkang Silver Ion Antibacterial Spray

Product Model:

/
- 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:

Please consult manufacturer.

Uses advised against:

Please consult manufacturer.
- 1.3 Details of the supplier of the Safety Data Sheet

Ltd.

Address of the company:

/

Telephone number

Fax number:

/

Zip code:

/

Email address

1.4 Emergency phone number:

2、Hazards identification

- 2.1 Hazard classification according to GHS:

The product is not dangerous and it has no hazardous classification.
- 2.2 Label elements

Hazard pictograms:

None.

Signal word:

None.
- 2.3 Hazard statements:

None.
- 2.4 Precautionary statements

2.4.1 Prevention

None.

2.4.2 Response

None.

2.4.3 Storage

None.

2.4.4 Disposal

None.
- 2.5 Hazard description

2.5.1 Physical and chemical hazards

This product is normally used without hazard.

2.5.2 Health hazards

None.

2.5.3 Environmental hazards

Please refer to 12th chapter of SDS.

3、Composition/information on ingredients

Substance <input type="checkbox"/> Prepatation <input checked="" type="checkbox"/>			
Component	CAS No.	EC No.	Concentration (weight percent, %)
Silver Ion	——	——	0.002-0.003
Water	7732-18-5	231-791-2	99

4、First aid measures

4.1 Description of first aid measures

General advice:Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

Skin contact:Wash off with plenty of water, take off contaminated clothing and shoes immediately.

Eye contact:Wash with running water or saline,Seek medical attention if necessary.

Inhalation:Move to fresh air,Keep the airway open,Seek medical attention if you feel unwell.

Intake:Clean up the mouth, induce vomiting, seek medical attention.

Protecting of first-aiders:Ensure that medical personnel are aware of the substance involve d. Take precautions to protect themselves and prevent spread of contamination.

4.2 Indication of any immediate medical attention and special treatment needed

- 1、Treat symptomatically.
- 2、Symptoms may be delayed.

5、Firefighting measures

5.1 Extinguishing media

1、**Suitable extinguishing media:**Misty water, alcohol-resistant foam, dry powder, carbon dioxide, sand.

2、**Unsuitable extinguishing media:**Do not use a solid water stream as it may scatter or spread fire.

5.2 Specific hazards arising from the substance or mixture

- 1、No data available.

5.3 Advice for firefighters

- 1、As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2、Fight fire from a safe distance, with adequate cover.
- 3、Prevent fire extinguishing water from contaminating surface water or the ground water system.

6、Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- 1、Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves.
- 2、Ensure adequate ventilation. Remove all sources of ignition.
- 3、Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 4、Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

6.2 Environmental precautions

- 1、Prevent further leakage or spillage if safe to do so.
- 2、Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

- 1 、Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 2、Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7、Handling and storage

7.1 Precautions for handling

- 1、Closed operation, full ventilation.
- 2、Operators must be specially trained to strictly abide by the operating procedures.
- 3、It is recommended that operators wear self-priming filter dust masks and chemical safety glasses.
- 4、Keep away from fire, heat, and smoking in the workplace.
- 5、Use explosion-proof ventilation systems and equipment.
- 6、Avoid contact with oxidizing agents, reducing agents, and halogens.
- 7、Equipped with the corresponding variety and quantity of fire-fighting equipment.

7.2 Precautions for storage

- 1、Store in a cool, ventilated warehouse.
- 2、Keep away from fire and heat.
- 3、It should be stored separately from oxidants, reducing agents, halogens, etc., and should not be mixed.
- 4、Use explosion-proof lighting and ventilation facilities.
- 5、It is forbidden to use mechanical equipment and tools that are prone to sparks.
- 6、The storage area should be equipped with leakage emergency treatment equipment and suitable containment materials.

8、Exposure controls/personal protection

8.1 Control Parameters

8.1.1 Occupational exposure limits

Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m³	ppm	mg/m³
All components	USA - OSHA	Unspecified	Unspecified	Unspecified	Unspecified
	South Korea	Unspecified	Unspecified	Unspecified	Unspecified
	Ireland	Unspecified	Unspecified	Unspecified	Unspecified
	Germany(AGS)	Unspecified	Unspecified	Unspecified	Unspecified
	Denmark	Unspecified	Unspecified	Unspecified	Unspecified
	Australia	Unspecified	Unspecified	Unspecified	Unspecified

8.1.2 Biological limit values

Biological limit values:No information available

8.1.3 Monitoring methods

1、EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

2、BZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

8.2 Engineering controls

- 1、Ensure adequate ventilation, especially in confined areas.
- 2、Ensure that eyewash stations and safety showers are close to the workstation location.
- 3、Use explosion-proof electrical/ventilating/lighting/equipment.
- 4、Set up emergency exit and necessary risk-elimination area.

8.3 Personal protection equipment

General requirement:



Eye protection:Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).

Hand protection:Wear protective gloves (such as butyl rubber) , passing the tests according toEN 374(EU),US F739 or AS/NZS 2161.1 standard.

Respiratory protection:If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full- face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Skin and body protection:Wear fire/flamm resistant/retardant clothing and antistatic boots.

Other protection:Smoking, eating and drinking are forbidden on the job site. Maintain good hygiene habits.

9、Physical and chemical properties

Appearance:White metal shell(containing colorless transparent liquid).

Odor:Weak odor.

Odor threshold:No data available.

PH value:No data available.

Melting point/freezing point (°C) :No data available.

Initial boiling point and boiling range (°C) :No data available.

Flash point (closed cup, °C) :No data available.

Evaporation rate:No data available.

Flammability (solid or gas) :Non-flammable.

Explosion upper/lower limit [% (v/v)]:No data available.

Vapor pressure (kPa) :No data available.

Vapor density (air = 1) :No data available.

Relative density (water = 1) :No data available.

Solubility (mg/L) :No data available.

Octanol/water partition coefficient:No data available.

Auto-ignition temperature (°C) :No data available.

Decomposition temperature (°C) :No data available.

Viscosity:No data available.
Others:Resistance value:No data available.

10、Stability and Reactivity

Reactivity:Contact with incompatible materials can cause decomposition or other chemical reactions.
Chemical stability:Stable under the correct conditions of use and storage.
Possibility of hazardous reactions:No data available.
Conditions to avoid:Electrostatic discharge, heat, humidity, etc.
Incompatible materials:Strong oxides, strong acids, strong bases.
Hazardous decomposition products:Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11、Toxicological information

11.1 Acute toxicity

Component	LD50(oral)	LD50(Transcutaneous)	LC50(inhalation, 4h)
All components	Not available	Not available	Not available

11.2 Carcinogenicity

Component	IARC	NTP
All components	Not Listed	Not Listed

11.3 Others

Comp onent	Corro sive skin/ irritat ion	Serio us eye dama ge/irri tation	Skin sensiti zation	Respi ratory sensiti zation	Repro ductiv e toxicit y	Specif ic target organ toxicit y - single expos ure	Specif ic target organ toxicit y - repeat ed expos ure	Aspir ation hazar d	Germ cell muta genici ty	Repro ductiv e toxicit y
All comp onents	Not availa ble	Not availa ble	Not availa ble	Not availa ble	Not availa ble	Not availa ble	Not availa ble	Not availa ble	Not availa ble	Not availa ble

12、Ecological information

12.1 Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	Not available	Not available	Not available

12.2 Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	Not available	Not available	Not available

12.3 Others

Component	Persistence and degradability	Bioaccumulation or bioaccumulation	Soil mobility	Evaluation of PBT and vPvB results
All components	Not available	Not available	Not available	Not available

13、Disposal considerations

Disposal considerations:Recycle as much as possible.If it cannot be recycled, use incineration for disposal.Do not dispose of this product by means of discharge to the sewer.

Waste chemicals:Contaminated packaging: Residual hazards may still exist after the contents of the packaging are emptied. Keep away from heat and sources of ignition. If possible, recycle them to the supplier for recycling.

Disposal considerations:Refer to the "Disposal" section.

14、Transportation information

Suggestion according to IATA DGR,the substance is not subject to IATA DGR.

Suggestion according to IMO IMDG Code,the substance is not subject to IMO IMDG Code.

United Nations Dangerous Goods Number (UN No.):The product is not dangerous.

UN proper shipping name:None

UN Risk Classification:None

Packing Category:None

Packaging label:None

Marine Pollutants (Yes/No):No

Packing method:Pack according to the manufacturer's recommendations.

Transportation Note:

It is strictly prohibited to mix and transport with acids, alkalis, oxidants, foods and food additives. The exhaust pipe of the vehicle carrying this item must be equipped with a fire-retardant device, which prohibits the use of mechanical equipment and tools that generate sparks. Avoid exposure, rain, and high temperature during transportation. The tank (tank) used for transportation shall have a grounding chain, and a hole partition may be arranged in the tank to reduce the static electricity generated by the vibration.

It is strictly prohibited to mix and transport with oxidants, acids, foods and food additives. It is strictly forbidden to use wooden boats and cement ships for bulk transportation. Avoid exposure, rain, and high temperature during transportation. Transportation vehicles shall be equipped with fire fighting equipment and emergency response treatment equipment of corresponding types and quantities. Before shipping, check whether the packaging container is complete and sealed. On the transportation means, hazard signs and announcements should be posted in accordance with the relevant transportation requirements.

15、Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECL	AICS
Silver Ion	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A

Water	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
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- 【EINECS】 European Inventory of Existing Commercial Chemical Substances
【TSCA】 United States Toxic Substances Control Act Inventory
【DSL】 Canadian Domestic Substances List
【IECSC】 China Inventory of Existing Chemical Substances
【NZIoC】 New Zealand Inventory of Chemicals
【PICCS】 Philippines Inventory of Chemicals and Chemical Substances
【KECL】 Korea Existing Chemical List
【AICS】 Australia Inventory of Chemical Substances

16、Others

16.1 Reference:

- 【1】IPCS:The International Chemical Safety Cards (ICSC),website:http://www.ilo.org
【2】IARC,website:http://www.iarc.fr
【3】OECD:The Global Portal to Information on Chemical Substances,website:http://www.chemportal.org
【4】CAMEO Chemicals,website:http://cameochemicals.noaa.gov
【5】NLM:ChemIDplus,website:http://chem.sis.nlm.nih.gov
【6】EPA:Integrated Risk Information System,website:http://cfpub.epa.gov
【7】U.S. Department of Transportation:ERG,website:http://www.phmsa.dot.gov
【8】Germany GESTIS-database on hazard substance,website:http://gestis-en.itrust.de

16.2 Others:

- 1、Abbreviations and acronyms
CAS-Chemical Abstracts Service
PC-STEL- Short term exposure limit
DNEL-Derived No Effect Level
RPE-Respiratory Protective Equipment
LC50-Lethal Concentration 50%
NOEC-No Observed Effect Concentration
PBT-Persistent, Bioaccumulative,Toxic
BCF-Bioconcentration factor (BCF)
IMDG-International Maritime Dangerous Goods
UN-The United Nations
NFPA-National Fire Protection Association
CMR-Carcinogens, mutagens or substances toxic to reproduction
PC-TWA -Time Weighted Average
IARC-International Agency for Research on Cancer
PNEC-Predicted No Effect Concentration
LD50-Lethal Dose 50%
EC50-Effective Concentration 50%
POW-Partition coefficient Octanol:Water
vPvB-very Persistent,very Bioaccumulative
ICAO/IATA-InternationalCivil Aviation Organization/International Air Transportation

Association

ACGIH-American Conference of Governmental Industrial Hygienists

OECD-Organization for Economic Co-operation and Development

2、Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 8th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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