

What is DSVa ?	42
AIRBIO	43
Results	44
MINIBIO	45
JETBIO	48



WHAT IS DSVA ?

The disinfection of surfaces by air (DSVA) is a method of disinfection of the surfaces of a room. It involves propelling a disinfectant into the atmosphere through a diffuser.

The interest of the DSVA is the absence of human intervention, so it can be carried out at night to avoid immobilizing a laboratory, an agri-food factory, a train or a classroom that must be operational during the day.

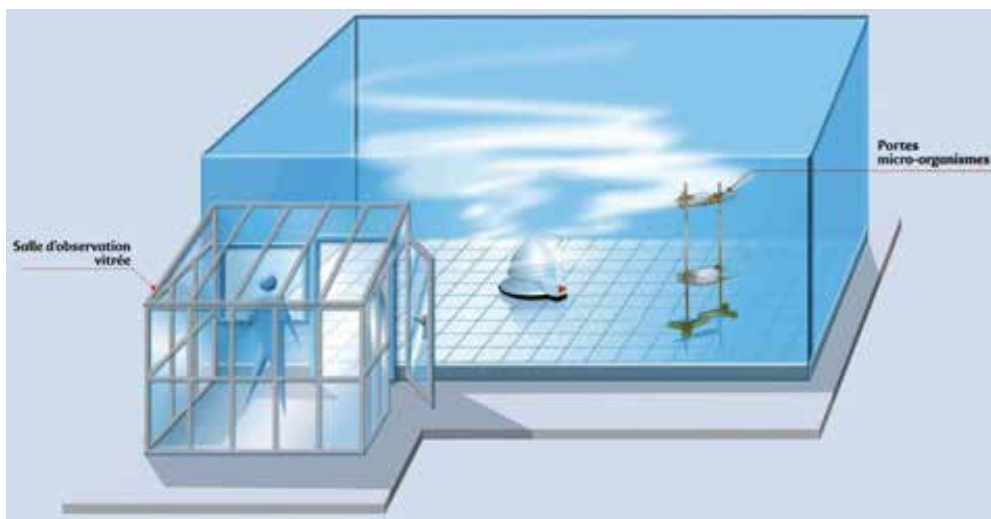
In addition, this method makes it possible to disinfect all surfaces in contact with air. Indeed, the DSVA is made in a sealed room and the product will spread throughout the volume until saturate the room by a dry mist.

How can we ensure the efficiency of the process?

The AFNOR NF T 72-281 standard for the disinfection of surfaces by air (DSVA) makes it possible to certify the effectiveness of the diffuser / product torque. The standard determines bactericidal, yeast, fungicidal and sporicidal activity.

Warning ! In order for the diffuser / product pair to comply with the standard, it must have validated the bactericidal, fungicidal, sporicidal and yeasticidal activity and be delivered by a COFRAC accredited laboratory.

Below is the COFRAC accredited laboratory test room for the NF T 72-281 standard. IBL Specifik has obtained the standard for the AIRBIO / APABIO pair for all activities (bactericide, fungicide, yeast and sporicide).



Source : test of DSVA - www.irm.fr

The IRM has a dedicated room of 85 m³ designed for the exclusive realization of this standard: absence of cold surfaces, perfect sealing of the room allowing very long contact times and an adjoining veranda for the adjustment of the devices and the follow-up of diffusion. MRI invites its customers to attend the test and, if they wish, to participate in the setting up and adjustment of the diffuser before the test.

FOGGER AIRBIO



AIRBIO makes it possible to disinfect the surfaces by air by saturating a volume with a disinfectant.

With AIRBIO disinfection by misting is fast, simple and very effective! The AIRBIO fogger allows you to disinfect air volumes up to **300 m³**

AIRBIO propels into the atmosphere the ecological disinfectant with the exceptional qualities: **APABIO**

It is ideal for cleaning:

- Pharmaceutical and research laboratories
- Food Industries
- Retirement home after death or discharge of a patient
- Medical, veterinary, dental practices
- Nurseries (toys, dormitories, furniture, diapers, etc.),
- Housing after death
- Pet Shops

NF T 72-281

They trust us :



Advantages

Dry misting is a process that makes it possible to saturate a room with a disinfectant: all surfaces in contact with air are treated without human intervention.

Its advantages :

- Efficiency according to AFNOR NF T 72-281
- Handles volumes up to 300 m³
- 100% Automated: 10-volume pre-programming
- Mobile device and very easy to use
- Bactericide - Sporicide - Fungicide - Levuricide

Option :
Roller trolley

Technical sheet

Alimentation	230 V / 50 Hz
Maximum Power	370 W
Dimensions	H 340 x l 380 x L 280 mm
Weight	18 kg
Product flow	25 ml / min
Disinfectant	APABIO
Compressor	Non-lubricated piston
Food	80 m ³ / h
Rotation speed	1450 tr / min
Sound level	61 dB
Programmed mode	Choice of 10 rooms Pre-programmed in factory
Free mode	Choice of volume between 10 and 300 m ³
Maximum volumes	300 m³

RESULTS

AIRBIO / APABIO

Strains tested	T = Enumeration of control supports (average of 2 supports)	E = Enumeration of test supports - (average of 3 supports)	d = Log reduction rate = disinfecting activity	Standard Requirements NF T 72-281
Activité bactéricide				
<i>Pseudomonas aeruginosa</i> CIP 103.467	T = $3,3 \times 10^7$	E = 0	d > 7,52 log	d ≥ 5 log
<i>Staphylococcus aureus</i> CIP 4.83	T = $2,3 \times 10^7$	E = 0	d > 7,36 log	d ≥ 5 log
Activité levuricide				
<i>Candida albicans</i> ATCC 10-231	T = $1,7 \times 10^6$	E = 0	d > 6,23 log	d ≥ 4 log
Activité fongicide				
<i>Aspergillus niger</i> ATCC 16.404	T = $4,5 \times 10^6$	E = 0	d > 6,65 log	d ≥ 4 log
Activité sporicide				
<i>Bacillus subtilis</i> CIP 52.62	T = $4,0 \times 10^6$	E = 0	d > 6,60 log	d ≥ 3 log

The device / product pair: AIRBIO / APABIO has an activity:

- Bactéricide on *Pseudomonas aeruginosa* CIP 103.467 et *Staphylococcus aureus* CIP 4.83
- Levuricide on *Candida albicans* ATCC 10-231
- Fongicide on *Aspergillus niger* ATCC 16.404
- Sporicide on *Bacillus subtilis* CIP 52.62

By air according to the methodology of NF T 72-281 (revision 2009) for a dose between 10 and 14 ml / m³ and for 2 hours of contact time, after the diffusion time of the product.

PRODUCT ASSOCIATED

APABIO



Powerful disinfectant based on hydrogen peroxide and peracetic acid, non-toxic to humans and their environment

Non-polluting, 99.99% biodegradable solution containing neither Formol, Chlorine, Phenol or Heavy Metals.

For more information go to page 12

FOGGER MINIBIO S1



MINIBIO S1 can disinfect surfaces by air by saturating a volume with a disinfectant.

The disinfection of surfaces by air is fast, simple and very effective. The MINIBIO S1 fogger allows you to carry out a disinfection of the surfaces by air of the premises of up to **50 m³**.

This mist generates in the atmosphere an ecological disinfectant with exceptional qualities: : **APABIO**.

They trust us ::



It is ideal for the disinfection of:

- Refrigerated trucks, sanitary vehicles, ambulances
- Medical, veterinary, dental practices
- Nurseries (toys, dormitories, furniture, diapers etc ...)
- Housing after death
- Microbiological safety stations (PSM), laboratories
- Ski boots, bowling shoes
- Nursing homes, rooms of a retirement home after death or leaving a patient

Advantages

Dry misting is a process that makes it possible to saturate a room with a disinfectant: all surfaces in contact with the air are treated outside human and animal presence.

Its advantages :

- Efficient - Fast - Easy to use
- It can handle a volume up to 30 m³
- Disinfection 100% Automated
- Mobile and very small device
- Bactericide - Sporicide - Fungicide - Levuricide

PRODUCT ASSOCIATED

APABIO



Powerful disinfectant based on hydrogen peroxide and peracetic acid, non-toxic to humans and their environment.

Non-polluting, 99.99% biodegradable solution containing neither Formol, Chlorine, Phenol or Heavy Metals.

For more information go to page 12

Technical sheet

Alimentation	220-240V / 50 Hz
Maximum Power	240V / 50 Hz
Dimensions	H 260 x l 330 x P 110 mm
Weight	6 kg
Product flow	10 ml / min
Disinfectant	APABIO
Compressor	Non-lubricated piston
Air flow	27 NL / min
Rotation speed	2800 tr / min
Sound level	56 dB
Mode	automatic
Broadcast Time	According to client specifications
Deferred startup	30 s à 1 min
Maximum Volumes	50 m³

FOGGER MINIBIO S11



stopping the manufacture



The machine MINIBIO S11 allows to disinfect the surfaces of a room without human intervention. Fully automatic, simply position it in the room and turn it on

With MINIBIO S11 disinfection by misting is fast, simple and very effective. The MINIBIO S11 fogger allows you to disinfect air volumes up to 100 m³.

MINIBIO S11 propels the environmentally friendly disinfectant into the atmosphere : **APABIO**

It is ideal for disinfection of :

- Refrigerated trucks, sanitary vehicles, ambulances
- Medical, veterinary, dental practices
- Nurseries (toys, dormitories, furniture, diapers etc ...)
- Housing after death
- Microbiological safety stations (PSM), laboratories
- Ski boots, bowling shoes
- Nursing homes, rooms of a retirement home after death or leaving a patient

Advantages

Dry misting is a process that makes it possible to saturate a room with a disinfectant: all surfaces in contact with the air are treated outside human and animal presence.

PRODUCT ASSOCIATED

APABIO



Powerful disinfectant based on hydrogen peroxide and peracetic acid, non-toxic to humans and their environment.

Non-polluting, 99.99% biodegradable solution containing neither Formol, Chlorine, Phenol or Heavy Metals.

For more information go to page 12

Technical sheet

Alimentation	220-240 V 50-60 Hz 100-120 V 50-60 Hz (option)
Maximum Power	230 W
Dimensions	H 40 x l 30 x L 26 mm
Weight	8,3 kg
Product flow	10 à 12 ml / min
Disinfectant	APABIO
Compressor	Non-lubricated lubricating
Air flow	80 m ³ / h
Rotation speed	1450 tr / min
Sound level	61 dB
Timer	Choice of 10 rooms Pre-programmed in factory
Free mode	Choice of volume between 10 and 300 m ³
Maximum volumes	100 m³
Option battery	Cigarette lighter option

FOGGER

MINIBIO S12



The machine **MINIBIO S12** allows to disinfect the surfaces of a room without human intervention. Fully automatic, simply position it in the room and turn it on.

With MINIBIO S12, disinfection by misting is fast, simple and very effective. The MINIBIO S12 fogger allows you to disinfect air volumes up to **300 m³**.

MINIBIO S12 propels ecological disinfectant to the atmosphere with exceptional qualities : **APABIO**

It is ideal for disinfection of :

- Refrigerated trucks, sanitary vehicles, ambulances
- Medical, veterinary, dental practices
- Nurseries (toys, dormitories, furniture, diapers etc ...)
- Housing after death
- Microbiological safety stations (PSM), laboratories
- Ski boots, bowling shoes
- Nursing homes, rooms of a retirement home after death or leaving a patient

Advantages

Dry misting is a process that makes it possible to saturate a room with a disinfectant: all surfaces in contact with the air are treated outside human and animal presence.

PRODUCT ASSOCIATED

APABIO



Powerful disinfectant based on hydrogen peroxide and peracetic acid, non-toxic to humans and their environment.

Non-polluting, 99.99% biodegradable solution containing neither Formol, Chlorine, Phenol or Heavy Metals.

For more information go to page 12

Technical sheet

Alimentation	220-240 V/ 50 Hz
Maximum Power	240 V
Dimensions	H 630 x l 350 x P 250 mm
Weight	8 kg
Product flow	20 ml / min
Disinfectant	APABIO
Compressor	Non-lubricated lubricating
Air flow	80 m ³ / h
Rotation speed	1450 tr / min
Sound level	61 dB
Timer	De 0 to 120 minutes
Structure	INOX
Maximum volumes	300 m³

FOGGER JETBIO



The JETBIO machine makes it possible to disinfect the surfaces of a room without human intervention. Fully automatic, simply position it in the room and turn it on.

With JETBIO disinfection by misting is fast, simple and very effective. The JETBIO fogger allows you to disinfect volumes by air up to **2000 m³**.

JETBIO propels into the atmosphere the ecological disinfectant with the exceptional qualities : **APABIO**

It is ideal for disinfection of:

- Pharmaceutical and research laboratories
- Food Industries
- Retirement home after death or discharge of a patient
- Medical, veterinary, dental practices
- Nurseries (toys, dormitories, furniture, diapers, etc.),
- Housing after death
- Pet Shops

Advantages

Dry misting is a process that makes it possible to saturate a room with a disinfectant: all surfaces in contact with the air are treated outside human and animal presence.

PRODUCT ASSOCIATED

APABIO



Powerful disinfectant based on hydrogen peroxide and peracetic acid, non-toxic to humans and their environment.

Non-polluting, 99.99% biodegradable solution containing neither Formol, Chlorine, Phenol or Heavy Metals.

For more information go to page 12

Technical sheet

Alimentation	230 V
Maximum Power	920 W
Dimensions	H 340 x l 380 x L 280 mm
Weight	7 kg
Product flow	Adjustable : 0 à 300 ml / min
Disinfectant	APABIO
Propulsion	Turbine vortex
Free mode	yes
Volumes maximum	2000 m³

FOGGER JETBIO MAX



Option :
Roller trolley

The JETBIO MAX machine disinfects the surfaces of a room without human intervention. Fully automatic, simply position it in the room and turn it on.

With JETBIO MAX disinfection by misting is fast, simple and very effective. The JETBIO MAX fogger allows you to disinfect volumes by air up to **5000 m³**.

JETBIO MAX propels the environmentally friendly disinfectant into the atmosphere : **APABIO**

It is ideal for disinfecting :

- Refrigerated warehouses
- Food Industries
- Storage warehouses
- Milking parlors
- greenhouses
- Pet shops - Shelters..

Advantages

Dry misting is a process that makes it possible to saturate a room with a disinfectant: all surfaces in contact with the air are treated outside human and animal presence.

PRODUCT ASSOCIATED

APABIO



Powerful disinfectant based on hydrogen peroxide and peracetic acid, non-toxic to humans and their environment.

Non-polluting, 99.99% biodegradable solution containing neither Formol, Chlorine, Phenol or Heavy Metals.

For more information go to page 12

Technical sheet

Alimentation	230 V
Maximum Power	920 W
Dimensions	H 710 x l 860 x P 360 mm
Weight	12 kg
Product flow	Réglable : 0 à 600 ml / min
Nozzles	2 multidirectional
Disinfectant	APABIO
Propulsion	Double vortex turbine
Free mode	YES
Volumes maximum	5000 m³



**Discover all our products on our
website**

www.iblspecific.com

**IBL : 69 Avenue Aristide Briand
94230 Cachan - FRANCE**

Phone: 0033.1.41.98.32.20

Email: contact@iblspecific.com

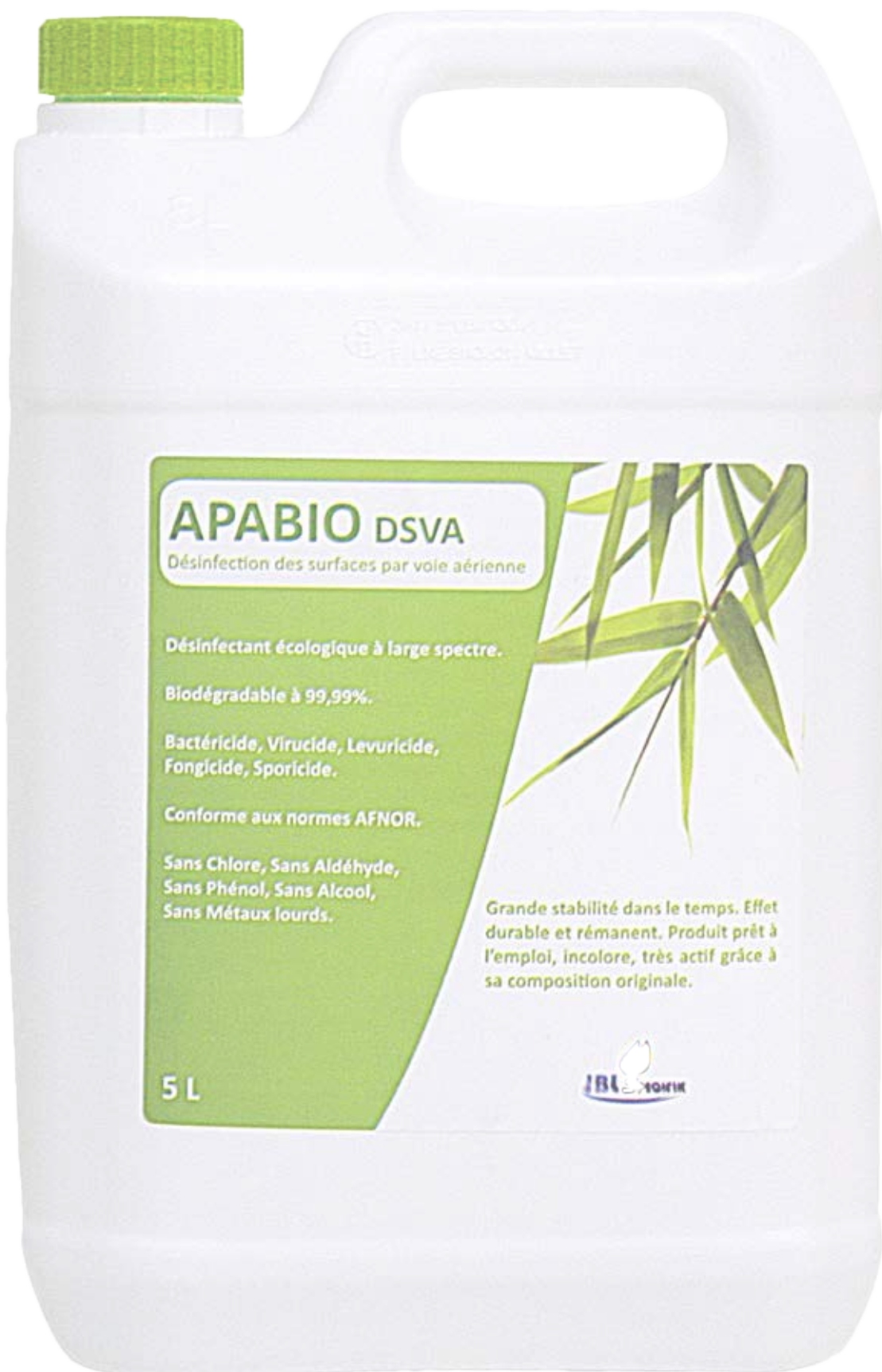
APABIO

42

DESOGERME

43

DISINFECTANT



BIOCID DISINFECTANT

APABIO



APABIO is an organic disinfectant with a broad spectrum, a great stability over time, a long-lasting effect, remanent. It is resistant to high temperatures and can be used with steam.

The solution of disinfection soft and non-toxic for the man and its environment. APABIO, disinfectant 100% ECOLOGICAL, based on hydrogen peroxide and peracetic acid, in 6 points:

- Broad spectrum: bactericidal, fungicidal, virucidal and sporicidal (according to French and European standards)
- Stable for 3 years, physical process without additives.
- Biodegradable to 99.99%
- Food contact
- Non-toxic and not harmful to humans and the environment
- Contains no Formol, Chlorine, Phenol or Heavy Metals

Advantages

PRODUCT SPECIFICATION SAFE AND INNOVATIVE TECHNOLOGY TO COMBINE RESPECT FOR ENVIRONMENT AND SAFETY OF USE TO THE POWER OF DISINFECTION. Stable product 3 years: the secret of the range is based on a stabilization by a physical process, fruit of many years of scientific research, requiring no addition of stabilizing agent (ex heavy metals, silver ions ...). Powerful 100% ECOLOGICAL disinfectant, based on hydrogen peroxide and peracetic acid, non-toxic for humans and their environment. Non-polluting, 99.99% biodegradable solution that does not contain Formalin, Chlorine, Phenol or Heavy Metals. Compatible with the disinfection of materials in contact with foodstuffs. Very stable product, ready to use and broad spectrum of activity according to French and European standards:

BIOCID DISINFECTANT

APABIO

APABIO - DATA SHEET REVISION 12/2017

Spectrum of activity according to French and European standards:

Bactericidal: EN 1040, EN 13727, EN 14561, EN 13697, NFT72-281 (Contact time: 30 seconds)

Fungicide: EN 1275, EN 13624, EN 14562, EN 13697, NFT72-281 (Contact time: 30 seconds)

Sporicide: EN 14347, EN 13704, NFT 72-231, NFT72-281 (5 minutes: *B. subtilis* / 5min: *B. subtilis*, *C. difficile* 5min: *B. subtilis*, *C. sporogenous* Virucidal: EN 14476: (5 min: PRV, BVDV, herpes) (10 min: poliovirus, adenovirus, rotavirus)

Mycobactericidia: EN 14348 (5 minutes *M. avium* / 10 minutes *M. terrae*)

«Conform to the standard» of disinfection by air: NF T 72-281 (2010) with our AIRBIO devices.

PROPERTIES OF APABIO

• **COMPOSITION** Hydrogen peroxide (CAS 7722-84-1) > 7% ≤ 8% H₂O₂ INCLUDING BETWEEN 7 AND STRICTLY LESS THAN 8 Peracetic acid (CAS 79-21-0) <0.9% APABIO 900 A 2500 PPM • **PHYSICO-CHEMICAL CHARACTERISTICS** Appearance: liquid; Color: colorless; Density: 1.02; Odor: none; pH: 3.5.

USE

Recommended product for all types of disinfection and for all automatic disinfection of surfaces by air, is used pure by spraying or by means of a disinfection device type AIRBIO, MINIBIO or JETBIO. Comply with the operating instructions of the machine used. Can also be used by manual spraying on surfaces (spray), brushing, dipping (bathing) or injection. Consult us for any other use.

FIELDS OF APPLICATION

Where decontamination and terminal disinfection is recommended or necessary: Laboratories ... Medical environment: medical and paramedical practices, hospitals, medical transport vehicles ... Middle Armies / Police: disinfections of men and their equipment in case of biological attacks ... Disinfection of Morgues and autopsy rooms ... Disinfections after death Communities: nurseries, schools, retirement homes ... Cafes, hotels, restaurants, gyms, swimming pools ... Food industry, pharmaceutical laboratories / Research and analysis laboratories Disinfection of technical premises, installations (tanks, tanks, pipes ...) ... All systems of Climatization or Ventilation ...

PRECAUTIONS

• Before use, read the label and product information • Consult the safety data sheet • Keep out of the reach of children • If repeated or prolonged contact, wear suitable gloves • Avoid contact with skin • May cause sensitization by repeated or prolonged skin contact • Risk of serious damage to eyes • In case of contact with eyes, rinse thoroughly with water • If on skin or possible contamination of clothing, wear clothing of protection • If swallowed, seek medical advice urgently and provide MSDS • Avoid release to the environment • Do not eat, drink or smoke while using •

STORAGE

Stable product for 3 years. We recommend using the product within 9 to 12 months after opening and close the bottle after each use. Store only in its original container in a cool, ventilated place. Protect from freezing and keep away from combustible materials.

PACKING

Tank of 1000 liters / 5L cans / 0.5 L spray

Solution for Professional use. Material Safety Data Sheet (MSDS) available on request. The information contained in this form is provided for information purposes. However, this information cannot accept responsibility for any damage resulting from misuse of the product.

BIOCID DISINFECTANT

DESOGERME



Characteristic

COMPOSITION: Alcoholic solution of various organic compounds, synergized microbicides; Contains 342 g / L ethanol, 280 g / L isopropanol, 4 g / L polyhexamethylene biguanide

PHYSICAL AND CHEMICAL CHARACTERISTICS:

Appearance: clear liquid; **Color:** colorless; **Little foaming;** **Density at 20 ° C:** 0.88; **Odor:** perfumed pine alkyl; **Produces a germicidal fog;** **Aerosol 50ml percutable with rapid evaporation.** Does not attack most plastics or metals (stainless steel, steels, copper, brass, aluminum)

STANDARDS: Broad spectrum bactericide: Gram +/- (Pseudomonas, Staphylococcus aureus, Escherichia coli, Enterococcus hirae, legionella, Bacillus tuberculosis); Fungicide: molds, yeasts (Candida albicans, Aspergillus niger); Virucide (HIV, bacteriophages, polioviruses, vaccinia virus, influenza adenovirus (H1N1) ...
Complies with AFNOR and European standards: NF T72-281 and EN 1040, EN 1650, EN 1276, EN 13697, EN 14348, EN 14476.

Advantages

- Completely disinfects atmospheres and surfaces.
- Bactericidal, fungicidal and virucidal. Complies with AFNOR and EN standards.
- Rapid evaporation, leaves no trace and deodorizes thanks to a light and pleasant fragrance.
- Formaldehyde, phenol, chlorine or peroxide.
- Exists in "one shot" format that is practical and safe to use.
 - Compatible with food contact.
- Ideal for disinfecting rooms, nurseries, game rooms, waiting rooms, vehicle air-conditioning ...

PRODUCT SPECIFICATION

- Fully disinfects atmospheres and surfaces.
- Bactericide, fungicide and virucide. Complies with AFNOR and EN standards.
- Rapid evaporation, leaves no trace and deodorizes thanks to a light and pleasant fragrance.
- Free of formalin, phenol, chlorine and peroxide.
- Simple application and compatible with food contact.
- Does not attack most plastics or metals (stainless steel, steel, copper, brass, aluminum).
- Ideal for disinfecting air conditioning in offices or vehicles, bedrooms, waiting rooms, etc.

PROPERTIES OF THE PRODUCT

• COMPOSITION

Alcoholic solution of different organic compounds, synergized microbicides.

Contains 342 g / L of ethanol, 280 g / L of isopropanol, 4 g / L of poly hexamethylene biguanide.

• PHYSICO-CHEMICAL CHARACTERISTICS

Clear, colorless, low foaming liquid with an alkyl pine odor.

Produces micro germicidal mist. Rapid evaporation.

• STANDARDS

Bactericide: Gram +/- (Pseudomonas, Staphylococcus aureus, E. coli, Enterococcus hirae, Legionella, tuberculosis bacillus).

Fungicide: mold, yeast, (Candida albicans, Aspergillus niger).

Virucidal (HIV, bacteriophages, polio, PVX, vaccinia virus, influenza adenovirus (reference H1N1)).

Complies with AFNOR and European standards: NF T72-281 and EN 1040, EN 1650, EN 1276, EN 13697, EN 14348, EN 14476.

USE

- Spray DESOGERME VIREX on the surface or atmosphere to be treated.
- Effective doses on reference microorganisms, according to EN and AFNOR standards: 2% (bactericide in 5 minutes of contact), 4% on Legionella, 14% yeasticide in 15 minutes of contact, 40% fungicide in 15 minutes of contact, or concentrated (virucidal on HIV 1 in 1 minute of contact, virucidal vis-à-vis bacteriophages T1 and MS2 in 30 minutes).
- Office air conditioning disinfection: air conditioning off, lift the cover, spray DESOGERME VIREX along the grid for 5 sec. Turn on the air conditioning fully, then spray for 15 seconds on the outdoor unit.
- Vehicle air conditioning disinfection: Turn on the engine and the air conditioning fully in the air outside to inside position, close doors and windows, place the impact bomb on the central console then lower the tongue. Exit the vehicle and let the engine run for 10 minutes.

APPLICATION EXAMPLES

- Disinfection of air conditioning in offices or vehicles.
- Contagious or at risk environment: surgery, pediatrics, radiology, patient rooms ...
- Waiting room, linen storage, changing rooms, carpets, rugs, bedding ...
- Contaminated surfaces, objects and materials: beds, trolleys, urinals, garbage cans, Air Conditioning ...

PRECAUTIONS FOR USE

Extremely flammable • Compatible with the cleaning of food contact materials (decree of 08/09/1999) • DESOGERME VIREX AÉROSOL is a biocide used for PT 2 use, disinfectants used in the private and public health fields and other biocidal products as well as algicide products • Biocide directive EC 98/8: the active substances used in the formulation are notified in appendix II • Have the packaging reprocessed by an approved service provider •

CONDITIONNEMENT

500 ml Spray / percussion can / 5 L

Product intended for professional use. Safety data sheet available on request. Form deposited at the Poison Control Center (ORFILA) - Phone: 0033 (0) 1 45 42 59 59. The information mentioned on this sheet is provided for information. However, they cannot be held liable for damages or damage resulting from improper use of the product.



IBL CONCEPT FRANCE
Phone : 0033(0)1 41 98 32 20 – contact@iblspecifik.com