

**Bactericide,
Mycobactericide,
Fungicide, Virucide
and Sporocide**

AgClean 11 TM

**Advanced Silver Stabilized
Hydrogen Peroxide**



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& FINE CHEMICALS

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LOBA CHEMIE PVT. LTD.

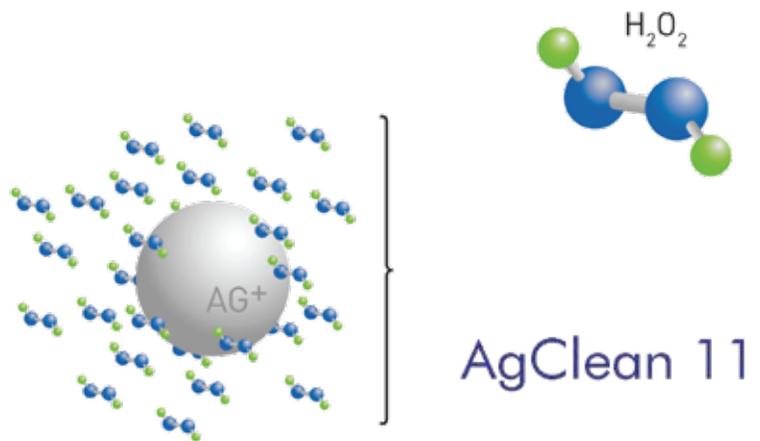
AgClean 11 is a unique solution of hydrogen peroxide (H_2O_2) that is stabilised using silver based chemistry. The formulation makes AgClean 11 a powerful, highly effective, broad spectrum disinfectant that is both stable and safe. AgClean 11 is FDA approved product and used in various applications for air and surface disinfection through fogging, spraying, surface wiping, etc.

AgClean 11 is truly biodegradable and leaves no residual in the end-product. Post disinfection it degrades into water and oxygen, substances that are found naturally. AgClean 11 is chlorine and alcohol free, with no corrosive effects on usual materials of construction during application. It is a multipurpose disinfectant with use in air, water and surface, which makes it highly recommendable.

Hydrogen Peroxide stabilized by silver ions, are recommended by CDC (Centre of Disease Control, USA) for virus deactivation. This formulation is also recommended by AIIMS (All India Institute of Medical Science, New Delhi) for decontamination of used PPE Coveralls and N95 masks by health workers.

Key Features and Benefits

- Forms no harmful by-products
- Rapid antimicrobial action on a short contact period
- Effective & appropriate for equipment sterilization
- Odourless and colourless
- No need of defumigation or mopping post application
- Does not emit any harmful fumes (unlike chlorine, bromine, formalin and aldehydes)



**Highly effective biocide suitable for air, surface and water disinfection
combatting the spread of microorganism**

Intended Use:

Aerial Fumigation: Use 1:5 (20 ml AgClean 11 + 80 ml of D.M. water)

Surface Disinfection(Spray): Use 1:20 (05 ml AgClean 11 + 95 ml of D.M. water)

Water Disinfection: Use 10 ppm to 15 ppm

Procedure for Aerial Fumigation with AgClean 11

Aerial disinfection with AgClean 11 has to be carried out with a (Ultra Low Volume) ULV Sprayer /Fogger only. As this machine gives a very fine mist that even penetrates cracks of surfaces ensuring a safe and sterile environment.

Specification for Aerial Fumigation with AgClean 11

- 1) Measure the size of Room to be fumigated in cu. Ft.
- 2) Do the Surface / Walls Disinfection with AgClean 11.
- 3) Make Solution by Mixing 200ml of AgClean 11 with 800 ml of D.M. Water (Please refer area wise solution calculation given herewith) .The dilution should be strictly done with Distilled water or De-mineralized water only to avoid any precipitation with chlorine which is usually present in raw water.
- 4) Fit the Fogger Tank with Suction Unit.
- 5) The angle of the motor is kept at 45 degrees. This can be adjusted with the adjustment knob.
- 6) The fogging machine is mounted 2 feet from the floor in one of the Room Corners.
- 7) Set the timer device to run. (say for eg. 8 min, 12 min, 16 min, 20 min and so on and not exceeding 50 mins.)- Please refer the sheet attached herewith.
- 8) Put on Main Switch to Start Fogging, (Main Switch is Put ON only after setting time on Timer Device).
- 9) The flow rate is kept at 50ml / min. minimum, varying it depends on the room size and mist required.
- 10) Ensure that a proper mist is created in the area so that the active ingredient of AgClean 11 is suspended in the atmosphere, thereby giving complete aerial Disinfection.
- 11) After aerial fumigation the room is to be closed (sealed pack) for 60 minutes minimum.
- 12) The dilution is to be made only during the time of aerial fumigation and the remains of the solution if any should not be reused. However the remaining solution in the tank if any can be diluted with plain water and could be used for surface Disinfection.
- 13) After every successive aerial fumigation we request you to add plain water and then start the machine for 2 min. This would enable in cleaning the inner tubes and nozzle if choked.
- 14) Do not run the machine empty.

Area to be Fumigated (in Cu.Fts.)	Flow Rate of Fogger (ml /min.)	Fogging Time per minute	Dilution (in ML)		
			AgClean 11 @ 20%	D M Water @ 80%	Total Solution (in ML)
1000	50	8	80	320	400
1500	50	12	120	480	600
2000	50	16	160	640	800
2500	50	20	200	800	1000
3000	50	24	240	960	1200
3500	50	28	280	1120	1400
4000	50	32	320	1280	1600
4500	50	36	360	1440	1800
5000	50	40	400	1600	2000
5500	50	44	440	1760	2200
6000	50	48	480	1920	2400

Composition:

Silver nitrate IP : 0.01% w/v
Hydrogen peroxide IP : 11% w/v

Physiochemical Property:

Form : Clear Liquid
Appearance : Colourless
Odour : Odourless
pH : 1.5 - 2.0
Assay of Hydrogen Peroxide % : 11% min.
Assay of Silver Nitrate ppm : 100-160
Inert Ingredients : Balance
Solubility : Soluble in water

Storage:

Store at room temperature. Do not store together with strong acids, alkalis, salts, reducing agents and combustible substances.

Shelf life:

2 Years

Available Packing:

AgClean 11 is available in HDPE jars of 1 L and 5L.

Handling Measures:

Proper safety products such as splash goggles, gloves, lab coat should be worn while carrying out aerial fumigation or disinfection with AgClean 11. Splashes on skin to be washed off with water immediately. In case of splashing into the eyes, flush them with fresh water and seek medical attention.

Dosage and Applications:

Fogging and Fumigation of Operation Theatres, Research Centres and other Critical areas: 200 ml of AgClean diluted in 800 ml of water via fogging machine to disinfect an area of 1000 Cubic ft.

Medical Instruments and Equipment:

1. Dip Method: 5% Solution for 60 minutes.
2. Spray Method: 5% solution sprayed and left for a contact time of 60 minutes.

Surface Disinfection: 5% Solution applied on critical surfaces and left for a contact time of 60 min.

Disposal Instruments, Blood bags, Syringes: 20% solution for 30 minutes before disposal.

Application Efficacy:

The disinfection with AgClean is effective for around 12-14 hours..

Application Areas:

1) Healthcare industries

- Infection control in OT, ICU, ICCU and other critical areas.
- Kidney dialysis unit sterilization.
- Toilet facilities sanitation.
- Bed Pans, Catheters, and other surface equipment sanitation.
- Sanitation of water supplies and storage tanks.
- Bio-medical and semi-solid waste sanitation.



2) Pharma & cosmetics

- For aerial fumigation of clean room, manufacturing facilities, storage and labs.
- For disinfection of pipes, storage tanks, mixing vessel, hoses, filling line.
- For disinfection of floors and surfaces.

3) Hygiene @ home, office and surroundings

- For all kinds of surfaces in the kitchen (sink, fridge, handles, taps, cutting boards etc.).
- For use in households, restaurants, industrial kitchens, hotels, food catering companies etc
- For all kinds of surfaces in the bathroom (sink, toilet, shower, bath, tiles, taps etc.).
- For use by cleaning companies, in households etc.
- For disinfecting all kinds of surfaces, such as sport- and fitness equipment, exercise mats etc.
- For use in fitness clubs, sport facilities, physiotherapists etc.
- For disinfecting all kinds of pet supplies, such as cages, benches, litter boxes, animal toys, eating and drinking bowl, etc.
- For use in households, by pet stores, by veterinarians, grooming salons etc.
- For disinfecting kid's toys, nursing pillows, toilet trainers etc. in a safe way
- For use in households, nurseries, nursery schools, day care, indoor playgrounds etc



Application Areas:

4) Transport and travel

- Water disinfection and treatment of storage tanks in recreational vehicles and boats.
- Disinfection of vehicular plumbing systems.
- Disinfection of materials and surfaces



Contact US

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