



Document Type / Category	Instructions For Use (IFU)
Document Number, Issue, Title	IFU-017FOG, Rev 01 – Fogging Using Aeris Active

1. PURPOSE

THE PURPOSE OF THIS PROCEDURE IS TO DISINFECT SURFACES USING FOGGING EQUIPMENT.

This IFU covers the steps and actions that need to be taken in the use of AerisGUARD Aeris Active hard surface disinfectant for large scale industrial applications where the product will be applied by fogging.

All Aeris Environmental personnel, sub-contractors and certified applicators are expected to take an active role in establishing, implementing and maintaining this Procedure in line with this IFU according to their role and responsibility.

The purpose of acting in accordance with this IFU is to have an uninterrupted, smooth process that ensures that correct process and use of the products are followed. This IFU shall also be part of Aeris' continuous improvement initiative.

The fogging of Aeris Active is aimed at reducing the possible risks of contamination to remediation teams carrying out deep cleaning against potentially dangerous pathogens and not the final step but the initial one taken before deep cleaning/intensive remediation.

2. PROCEDURE DESCRIPTION AND PROCESS FLOW

The disinfection of hard surfaces with AerisGUARD Aeris Active should be used in accordance with Aeris Environmental Recommendation, this IFU, your work order and / or the job specification.

The steps in this procedure are as follows:

1. Preparation
 - a. Product Handling & Packaging
 - b. Apparatus & Equipment Required
 - c. Application Rates
 - d. PPE and OH&S Requirements
2. Setup
3. Application Process
4. Clean up Process

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3. PROCEDURE

1. Preparation

a. Product Handling & Packaging

Applicators should consult the product Safety Data Sheet (SDS) prior to use and handling.

AerisGUARD Aeris Active products come in a ready to use formulation. The product is available in 5 Litre and 1000 Litre Bulk containers with a shelf life of 2 years from the date of manufacture.

Always store the product out of direct sunlight and not exposed to hot environments for extended periods of time.

b. Apparatus & Equipment Required

If INTENSIVE REMEDIATION/DISINFECTION is necessary the equipment needed will include all or some of the following –

- Drying equipment
- Suitable PPE for the job being undertaken.
- Monitoring/Testing Equipment
- Containment Equipment
- Hand Tools (Screwdrivers, Hammer, Saw, Pliers etc.).
- HEPA Vacuum
- Buckets
- Microfibre Cloths
- RCD (Residual Current Device).
- Non thermal fogging equipment.

This equipment list is a suggestion only and may not include all equipment needed. If unsure of procedure and intend conducting mould remediation without using a reputable company it is highly recommended to look at IICRC R520-2015 or look at material such as Mould Workers Handbook.

If you need an inspection to assess level of remediation to be undertaken please call Aeris +612 83441315 for a list of qualified mould remediators in your area.

c. Product Dilution and Application Rates

The product does NOT require dilution and is ready to use.

Application rates depend on the surface being cleaned and the level of soiling present.

Use a small amount of Aeris Active for determining how heavy the soiling is and how much product will be needed to remove all the organic and inorganic material.

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d. PPE and OH&S Requirements

WARNING: Causes serious eye irritation, skin irritation. Do not get in eyes or on clothing. Wear chemical resistant gloves, safety goggles or face shield and full-body overalls. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing spray mist.

Remove contaminated clothing and wash clothing before reuse.

Additional safety equipment may be required to comply with state and local regulations or the particular nature of the project.

UNDER NO CIRCUMSTANCES IS SMOKING PERMITTED IN OR WITHIN 30 METRES OF THE FACILITY BEING TREATED.

ALL ELECTRICAL AND OR SPARK SOURCES MUST BE ISOLATED WITHIN THE AREA BEING FOGGED.

PPE:

- Full masks with filters rated for pesticides and solvents
- Safety goggles (*Wraparound Clear are recommended*)
- Disposable suit
- Type 1 heavy duty safety boots should always be worn.

Note* Other safety equipment may be required. OH&S requirements can vary geographically or by project nature.

2. Setup

- a. Ensure that the area being cleaned is closed off from public access. Any equipment in the area is "off line / isolated from operation" prior to and during the entire cleaning process.
- b. If using any electrical equipment ensure it is protected by a (RCD) Residual Current Device to protect the user from electrical shock.
- c. Ensure equipment being used is in good working order & tagged (if necessary).
- d. Other parts of the system may need to be covered as well.

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3. Application Process

- a. Preparation of the surface prior to the application of the AerisGUARD Aeris Active is to first remove the bulk dust and debris. Depending on the environment and the level of visible dirt, dust and debris the use of a HEPA rated vacuum cleaner is recommended. If the contaminated area is greater than 2 m² it is recommended to set up containment walls and put the area under negative pressure.
- b. Use AerisGUARD Aeris Active and clean microfibre cloths (see attached recommendation on the use of microfibre cloth) to clean and agitate the surface.
- c. AerisGUARD Aeris Active not only cleans & disinfects (hospital grade), it also provides the triple action of: it removes mould & mildew; it bleaches the discolouration which can be left by the dead organisms, and it leaves behind on the clean and disinfected treated surface an invisible anti-bacterial quat/polymer barrier film that lasts for up to 3 months when it remains dry on non-contact surfaces.
- d. The invisible anti-bacterial film is replaced by re-application. There is no build-up from repeated applications.

AerisGUARD Aeris Active is compatible with the vast majority of surfaces both natural and synthetic which are most prone to mould colonisation. Aeris Active is not compatible with copper material.

Aeris Environmental recommend that the AerisGUARD Aeris Active be first tried on a small area of the surface to be cleaned to ensure that no bleaching occurs.

All personal safety equipment must be worn for the remainder of the procedure.

ULV or Mist Generating Sprayers

ULV or mist or other wet small particle applications is preferable where surfaces are irregular or less accessible. Equipment capable of generating particles in the 15 to 60 micron range is most satisfactory. Avoid use of thermal type fog generators.

Generally, a fog will carry and provide adequate coverage up to 2.5m from the point of applications to assure complete coverage without wetting.

Operators should be trained on proper applications techniques as well as correct sealing procedures complying to locally approved standards and guidelines. Operators should also carefully read and follow directions for the brand of equipment used.

A coverage rate of 40ml per sq m should be used during fogging application.

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4. Clean Up

- Ensure that all equipment is rinsed.
- Leave the worksite as you found it.
- Remove and dispose of all empty product containers.
- Remove all rubbish you have taken on site / any plastic sheeting blocking ductwork.
- Return any machinery to correct operational function.
- All traces of dirt must be removed before leaving site.

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