

AeroDis® 7127 Instruction Manual

Safety Steps and Procedures To Follow Prior To Applying AeroDis® 7127:

Always refer to the safety data sheet (SDS), technical data sheet (TDS), and label prior to applying **AeroDis® 7127** if you have any questions about this product.

Wear protective eyewear, clothing, and gloves to prevent **AeroDis® 7127** from making contact with the skin and eyes.

AeroDis® 7127 Product Information and Benefits:

AeroDis® 7127 is a water based cleaner and disinfectant and comes in ready-to-use spray bottles and pre-saturated towelettes with a white liquid and a citrus odor that does not stain aircraft interiors.

AeroDis® 7127 is classified as a **Toxicity Category IV**, (EPA's lowest concern level for acute toxicity). **Category IV** products are not required to have First Aid or Precautionary statements on the label.

There is no rinsing or wiping required prior to applying **AeroDis® 7127**, even on food contact surfaces.

AeroDis® 7127 kills over **99.9%** of germs including **Pseudomonas aeruginosa**, **Salmonella enterica**, **Staphylococcus aureus**, **Community Acquired Methicillin Resistant S. aureus (CA-MRSA)**, **Escherichia coli**, **Influenza A virus**, including the **Pandemic 2009 H1N1 Influenza A virus**, **Influenza A Avian (H3N2) virus**, **Influenza A2**, **Rhinovirus type 37**, **Norovirus**, **Human Immunodeficiency Virus (HIV) Type 1**, **Enterobacter aerogenes**, **Trichophyton mentagrophytes**, **Candida albicans**, and **Aspergillus niger**.

AeroDis® 7127 has demonstrated effectiveness against viruses similar to the **Marburg** virus on hard non-porous surfaces. Therefore, **AeroDis® 7127** can be used against the **Marburg** virus when used in accordance with the directions for use against **Rotavirus (ATCC VR 899)** on hard non-porous surfaces. Refer to the **CDC** website at <https://www.cdc.gov/vhf/marburg/index.html> for additional information. Please see the most current **EPA** approved master label for product eligibility and for further details.

AeroDis® 7127 has demonstrated effectiveness against viruses similar to **Hantavirus** on hard, non-porous surfaces. Therefore, **AeroDis® 7127** can be used against **Hantavirus** when used in accordance with the directions for use on the product label on hard non-porous surfaces. Refer to the **U.S. Centers of Disease Control and Prevention (CDC)** website for additional information.

Procedures For Applying AeroDis® 7127:

To Clean: Wet the surface with **the product** (spot test to check surface compatibility). For stubborn stains, let stand for a **few minutes**.

To Sanitize: 1.) Wet the surface with **the product** (spot test to check surface compatibility).
2.) Leave for **30 seconds**. Allow to air-dry. No rinsing or wiping is required (even on food contact surfaces).

To Disinfect and Deodorize: 1.) Wet the surface with **the product** (spot test to check surface compatibility).
2.) Leave for **10 minutes**. Allow to air-dry. No rinsing or wiping is required (even on food contact surfaces).

To Deodorize: 1.) Wet the surface with **the product** (spot test to check surface compatibility).
2.) Allow to air-dry. No rinsing or wiping is required (even on food contact surfaces).

Methods For Applying AeroDis® 7127:

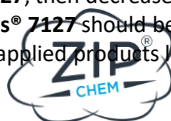
AeroDis® 7127 can be applied via various types of spray and bulk application equipment. See below and next pages for equipment that can be used and procedures for setting up these devices to ensure that **AeroDis® 7127** is properly applied.

1.) HVLP Spray Gun Setup

A.) Set the air pressure. This is very important because if there is too much pressure, then the texture and spray of **AeroDis® 7127** will be dry. Too little pressure however, results in a poor atomization and orange peeling of **AeroDis® 7127**.

B.) If you see texture in the spray of **AeroDis® 7127**, then increase the air pressure of your **HVLP gun**. If you see an overspray cloud of **AeroDis® 7127**, then decrease the air pressure slightly. The proper spray pattern for **AeroDis® 7127** should be a **slightly wet pass** with **no flooding or sagging** because thinly applied products like **AeroDis® 7127** can run very fast.

HVLP Spray Gun



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MATERIALS

AeroDis® 7127 Instruction Manual

Methods For Applying AeroDis® 7127:

AeroDis® 7127 can be applied via various types of spray and bulk application equipment. See below and next pages for equipment that can be used and procedures for setting up these devices to ensure that **AeroDis® 7127** is properly applied.

1.) HVLP Spray Gun Setup

- A.) Set the air pressure. This is very important because if there is too much pressure, then the texture and spray of **AeroDis® 7127** will be dry. Too little pressure however, results in a poor atomization and orange peeling of **AeroDis® 7127**.
- B.) If you see texture in the spray of **AeroDis® 7127**, then increase the air pressure of your **HVLP gun**. If you see an overspray cloud of **AeroDis® 7127**, then decrease the air pressure slightly. The proper spray pattern for **AeroDis® 7127** should be a **slightly wet pass with no flooding or sagging** because thinly applied products like **AeroDis® 7127** can run very fast.
- C.) One pattern that should be used when using the **HVLP gun** to apply **AeroDis® 7127** is the **fan pattern** because it uses a **full wide fan spray** which provides better consistency and leveling when applying **AeroDis® 7127** with the **HVLP spray guns**.
- D.) The air pressure when the trigger is pulled for the gun should be **20–30 PSI** even though most guns specify **10 PSI** at the air cap.
- E.) Always set the pressure with the trigger fully pulled because the pressure drops under flow.
- F.) Close off the air and fluid adjustment knobs.
- G.) Slowly open the air adjustment knob with the trigger pulled.
- H.) Open the fluid adjustment knob slowly until you see a fine mist from the air cap.
- I.) Continue to fine tune the settings until the desired spray pattern is achieved.

HVLP Spray Gun



2.) Air Assisted Spray Gun Setup

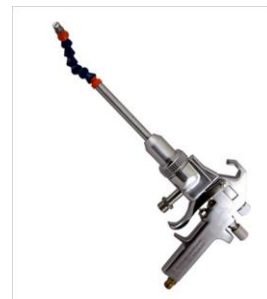
- A.) Determine the tip size for the gun. This is very important especially for a thin material, such as **AeroDis® 7127**.

Note: Do not increase the gun tip size especially to **.015 “ or more** when applying **AeroDis® 7127** because the applied material will exhibit the following characteristics below.

- *Too much **AeroDis® 7127** being applied
- ***AeroDis® 7127** runs
- *Orange peel in the **AeroDis® 7127**
- *An overspray cloud in the applied **AeroDis® 7127**

- B.) For pressure settings, use the lowest pressure possible so that **AeroDis® 7127** can be spray applied as a **clean fan** with the width of the spray being shaped like a **fan**. The setup of **air assisted spray gun** varies based on the size and type of gun that is being used but a good starting point for the pressure of the **air assisted spray gun** should be around **900-1200 PSI**.
- C.) Slowly increase the pressure of the gun until the **fan spray** pattern of **AeroDis® 7127** is fully developed and even and there are no fingers or tails on the edges of the spray equipment. If you hear a harsh hissing noise or see fogging in the spraying of the **AeroDis® 7127**, then the pressure of the **air assisted spray gun** is too high. None of these observations should occur because thin materials like **AeroDis® 7127** atomize very easily.
- D.) Set the pump ratio of the equipment to a range of **60:1 to 30:1**.

Airverter Spray Gun



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Methods For Applying AeroDis® 7127 (Continued From Page 2):

Air Assisted Spray Gun Setup (Continued From Page 2)

E.) Setup the following parts for the airless spray equipment below.

*Displacement Pump With A Positive Piston Type

*Stainless Steel Filter With A High Pressure With 200-300 mesh element

F.) Maintain your distance of the gun from the surface as the distances between **air assisted spray guns** and other spray methods can vary. A good distance to follow for air assisted spray guns is about **12" or more**. If you spray apply **AeroDis® 7127** at a distance closer than **12"**, then there will be a heavy buildup of **AeroDis® 7127**, tiger stripping of material from the surface where the **AeroDis® 7127** was applied and a variation in the gloss of the **AeroDis® 7127**.

G.) Consider the passing speed of **AeroDis® 7127** because the output of **AeroDis® 7127** from **air assisted spray guns** can vary between other spray methods. Therefore, you may need to move faster or slower than other spray methods, such as **HVLP guns**.

H.) The **AeroDis® 7127** should be spray applied as a **smooth continual pass** with a **50% overlap**.

I.) The table below lists some differences between the **HVLP** spray method and the **air assisted spray gun** methods.

HVLP	Air Assisted Spray Gun
Soft spray of AeroDis® 7127	More aggressive fan spray of AeroDis® 7127
Slow AeroDis® 7127 output	Fast output of AeroDis® 7127
Very forgiving when applying AeroDis® 7127	AeroDis® 7127 can run quickly
Less overspray bounce of AeroDis® 7127	More fogging potential for AeroDis® 7127 than with HVLP spray method

3.) Airless Spray Setup

A.) Determine the tip size for the gun. This is very important especially for a thin material, such as **AeroDis® 7127**.

Note: Do not increase the gun tip size especially to **.015 " or more** when applying **AeroDis® 7127** because the applied material will exhibit the following characteristics below.

*Too much **AeroDis® 7127** being applied

***AeroDis® 7127** runs

*Orange peel in the **AeroDis® 7127**

*An overspray cloud in the applied **AeroDis® 7127**

B.) For pressure settings, use the lowest pressure possible so that **AeroDis® 7127** can be spray applied as a **clean fan** with the width of the spray being shaped like a **fan**. The setup of **airless spray equipment** varies based on the size and type of gun that is being used but a good starting point for the pressure of the **airless spray gun** should be around **900-1200 PSI**.

C.) Slowly increase the pressure of the gun until the **fan spray** pattern of **AeroDis® 7127** is fully developed and even and there are no fingers or tails on the edges of the spray equipment. If you hear a harsh hissing noise or see fogging in the spraying of the **AeroDis® 7127**, then the pressure of the airless spray gun is too high. None of these observations should occur because thin materials like **AeroDis® 7127** atomize very easily.

D.) Set the pump ratio of the equipment to a range of **60:1 to 30:1**.

E.) Setup the following parts for the airless spray equipment below.

*Displacement Pump With A Positive Piston Type

*Stainless Steel Filter With A High Pressure With 200-300 mesh element

Airless Spray Equipment



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Methods For Applying AeroDis® 7127 (Continued From Page 3):

Airless Spray Setup (Continued From Page 3)

- F.) Maintain your distance of the gun from the surface as the distances between **airless spray guns** and other spray methods can vary. A good distance to follow for **airless spray guns** is about **12" or more**. If you spray apply **AeroDis® 7127** at a distance closer than **12"**, then there will be a heavy buildup of **AeroDis® 7127**, tiger stripping of material from the surface where the **AeroDis® 7127** was applied, and a variation in the gloss of the **AeroDis® 7127**.
- G.) Consider the passing speed of **AeroDis® 7127** because the output of **AeroDis® 7127** from **airless spray guns** can vary between other spray methods. Therefore, you may need to move faster or slower than other spray methods, such as **HVLP guns**.
- H.) The **AeroDis® 7127** should be spray applied as a **smooth continual pass** with a **50% overlap**.
- I.) The table below lists some differences between the **HVLP** spray method and the **airless spray gun** methods.

HVLP	Airless Spray Gun
Soft spray of AeroDis® 7127	More aggressive fan spray of AeroDis® 7127
Slow AeroDis® 7127 output	Fast output of AeroDis® 7127
Very forgiving when applying AeroDis® 7127	AeroDis® 7127 can run quickly
Less overspray bounce of AeroDis® 7127	More fogging potential for AeroDis® 7127 than with HVLP spray method

4.) AeroDis® 7127 5 Gallon (18.9 Liter) Cart Sprayer Setup

- A.) Determine the tip size for the gun. This is very important especially for a thin material such as **AeroDis® 7127** including thin coatings, such as clears and sealers.

Note: Do not increase the gun tip size especially to **.015 " or more** when applying **AeroDis® 7127** because the applied material will exhibit the following characteristics below.

- *Too much **AeroDis® 7127** being applied
- ***AeroDis® 7127** runs
- *Orange peel in the **AeroDis® 7127**
- *An overspray cloud in the applied **AeroDis® 7127**

- B.) For pressure settings, use the lowest pressure possible so that **AeroDis® 7127** can be spray applied as a **clean fan** with the width of the spray being shaped like a **fan**. The setup of **5 Gallon (18.9 Liter) Cart Sprayer** varies based on the size and type of gun that is being used but a good starting point for the pressure of the **5 Gallon (18.9 Liter) Cart Sprayer** should be around **900-1200 PSI**.
- C.) Slowly increase the pressure of the gun until the **fan spray** pattern of **AeroDis® 7127** is fully developed and even and there are no fingers or tails on the edges of the spray equipment. If you hear a harsh hissing noise or see fogging in the spraying of the **AeroDis® 7127**, then the pressure of the gun is too high. None of these observations should occur because thin materials like **AeroDis® 7127** atomize very easily.
- D.) Set the pump ratio of the equipment to a range of **20:1 to 30:1**.
- E.) Setup the following parts for the **5 Gallon (18.9 Liter) Cart Sprayer** below.
 ***Displacement Pump With A Positive Piston Type**
 ***Stainless Steel Filter With A High Pressure With 200-300 mesh element**
- F.) Maintain your distance of the gun from the surface as the distances between **5 Gallon (18.9 Liter) Cart Sprayers** and other spray methods can vary. A good distance to follow for airless spray guns is about **12" or more**. If you spray apply **AeroDis® 7127** at a distance closer than **12"**, then there will be a heavy buildup of **AeroDis® 7127**, tiger stripping of material from the surface where the **AeroDis® 7127** was applied, and a variation in the gloss of the **AeroDis® 7127**.



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Methods For Applying AeroDis® 7127 (Continued From Page 4):

AeroDis® 7127 5 Gallon (18.9 Liter) Cart Sprayer Setup (Continued From Page 4)

- G.) Consider the passing speed of **AeroDis® 7127** because the output of **AeroDis® 7127** from **5 Gallon (18.9 Liter) Cart Sprayers** can vary between other spray methods. Therefore, you may need to move faster or slower than other spray methods, such as **HVLP guns**.
- H.) The **AeroDis® 7127** should be spray applied as a **smooth continual pass** with a **50% overlap**.
- I.) The table below lists some differences between the **HVLP** spray method and the **5 Gallon (18.9 Liter) Cart Sprayer** spray methods.

HVLP	AeroDis® 7127 5 Gallon (18.9 Liter) Cart Sprayer
Soft spray of AeroDis® 7127	More aggressive fan spray of AeroDis® 7127
Slow AeroDis® 7127 output	Fast output of AeroDis® 7127
Very forgiving when applying AeroDis® 7127	AeroDis® 7127 can run quickly
Less overspray bounce of AeroDis® 7127	More fogging potential for AeroDis® 7127 than with HVLP spray method

5.) Electro-Static Spray Gun Setup

- A.) Minimize the flow of **AeroDis® 7127** for the required coating speed and film thickness.
- B.) Minimizing the target distance of spraying **AeroDis® 7127**.
- C.) Ensure that the **AeroDis® 7127** to be sprayed has a very high resistivity of at least **1 mega-ohm**.
- D.) Attach charging unit to the gun and object to be sprayed with **AeroDis® 7127**.
- E.) Gradually increase in-line air pressure so that the spray provides proper **AeroDis® 7127** build at the required coating speed and ensure that the pressure does not exceed **100 psi**.
- F.) Fluid pressure is typically **400-800 psi** so make sure it is set to that psi range.
- G.) Turn on charging unit and begin spraying **AeroDis® 7127**.

Electro-Static Spray Gun



It is important to ensure that the **HVLP, air assisted, airless, 5 Gallon (18.9 Liter) Cart Sprayer, or electrostatic paint gun** for applying **AeroDis® 7127** are properly setup for the following reasons below.

- *Decrease odor, fogging, and mist from the application of **AeroDis® 7127**
- *Increase the transfer efficiency of the **AeroDis® 7127** from the equipment to the area it needs to be applied to
- *Ensure that **AeroDis® 7127** will be applied according to how it was designed to be applied with respect to **optimum weight to performance balance**

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Areas Where AeroDis® 7127 Should Be Applied:

AeroDis® 7127 should be applied on:

- * Aircraft Lavatories
- * Galleys
- * Windows and Transparencies
- * Tray Tables
- * Service Trays
- * Overhead Bins
- * Arm Rests
- * Head Rests
- * Vinyl Walls
- * Bulkheads
- * Stainless Steel
- * Porcelain
- * Floors
- * Any Other Hard Surfaces On Aircraft



AeroDis® 7127 Product Pictures and Zip-Chem® Product Packaging Part Numbers and Additional Materials To Order:

AeroDis® 7127

- *Towelettes (Case of 100 Each)-**102936**
- *Case of 12 of 23 fl oz (680 mL) Spray Bottles-**104679**
- *Case of 6 each Gallon (4 each of 3.8 Liter)-**104665**
- *5 Gallon (18.9 Liter) Pails-**104666**
- *55 Gallon (208 Liter) Drum-**104822**

Gloves	Spray Equipment
Protective Eyewear	Bulk Application Equipment
Protective Clothing	Wiping Devices

Pre-Saturated Wipes
(NSN: 6840-01-686-9908)



Case of twelve 23 fl oz (680 mL)
spray bottles (NSN: 6840-01-686-9917)

For application questions regarding AeroDis® 7127, contact Zip-Chem® Aviation Products at (1) 408 782 2335 or zipchem@addevmaterials.com.