The Safest & Most Effective Clean Room Bio-Decontamination Procedure Available.

Minncare Dry Fog
The Complete Solution for Clean Room and Critical Area Optimal System... Optimal Efficacy.

Dry Fog Droplet Action

- age 7.5 microns in diameter, which will ensure even surface wetting issues associated with a fine mist bio-decontamination procedure.

The Minncare Dry Fog 2 System produces an ultrafine droplet size that tends to bounce off of hard surfaces and thus avoid excessive condensation, corrosion and

- The Difference is the Droplet Size.

- Atomization
  - Ultra-Fine (under 10µm)
  - Fine Mist (under 100µm)
  - Fine Drizzle (100µm - 300µm)
  - Semi-Fine (300µm - 1000µm)
  - Semi-Course (1000µm - 3000µm)
  - Course (over 3000µm)

- Product Information & Options
  - Minncare® and Minncare Dry Fog® are registered trademarks of Medivators Inc., A Cantel Medical Company.

- Dispersion
  - Thunderstorm (under 1.0mm)
  - Light Rain (1.0mm - 3.0mm)
  - Fine Mist (over 3.0mm)

- Solution throughout the room.

- The Mar Cor Purification Minncare Dry Fog® 2 System provides an accurate and simple way to ensure that the room has met a pre-determined concentration.

- An Integral Part of Modern Critical Area Disinfection Procedures

Visit www.mcpur.com for more information or call 1-800-633-3080
The Safest & Most Effective Clean Room Bio-Decontamination Procedure Available.

Choose the System that Fits Your Application.

The Minncare Cold Sterilant offers two different Dry Fog systems depending on the size and accessibility of the application.

Minncare System Features & Benefits

- No toxic aldehyde vapors
- Faster and safer than standard aldehyde disinfection methods
- Very effective bactericidal, fungicidal, virucidal and sporicidal
- 50% registered as log reduction as part of the bio-decontamination procedures
- Fully bio-degradable
- Contains only pharmaceutical quality raw materials
- Easy to use with aldehyde based liquids
- EPA and CE registered

Minncare Cold Sterilant

A Superior, Safe, Environmentally Friendly Biocide

Minncare Cold Sterilant is a powerful biocidal containing a proprietary mixture of peracetic acid and hydrogen peroxide. It is effective against a wide spectrum of organisms including bacteria (spores, fungal spores, viruses, mycobacteria, yeast, molds and yeasts). Minncare Cold Sterilant is not a systemic bactericide. Rather it is a powerful biocidal that attacks and breaks down the organic components of microorganisms, not just killing them, but destroying their structure. This makes Minncare Cold steril one of the safest and most effective disinfectants available.

The Chemistry of Minncare

Minncare Cold Sterilant (Formula: CH3COOOH / H2O2)

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Minncare System

The Minncare Dry Fog System provides an easy to use, high technology solution for clean room and critical room Bio-Decontamination. This combination of our highly effective Minncare® Cold Sterilant chemical and our state of the art Minncare® Dry Fog System delivery system enables users to rapidly and safely deliver Minncare vapor to every single part of the most complex environments. The spray and ultrasonic design will permit its use in the most critical areas within pharmaceutical and other industries concerned with maintaining the utmost levels of sterility. The location and action of the dry fogging head at the highest point of the equipment allows for rapid vapor dispersion and ensures that the most distant areas are reached effectively.

Dry Fog System Advantages

- 100% Coverage

The Minncare Dry Fog equipment is designed to produce the dry fog that covers 5–10 microns in diameter, which will ensure even dispersion of the Minncare solution throughout the room. This small droplets will tend to bounce off of hard surfaces and thus avoid excessive condensation, corrosion and surface wetting issues associated with systems producing larger droplets.

- Lower Capital Costs

The system is easily adaptable to differing room dimensions and configurations and can be adjusted to suit any room size and height. It is readily transportable and can be used in multiple locations, reverting only a compressed air source to operate it. It will deliver an adequate volume of solution to rooms up to 45000 ft³ (1200 m³). Beyond this size, multiple machines may be required.

- Ease of Validation

Minncare is a peracetic acid and hydrogen peroxide based proprietary chemical décontamination, delivered by a heavy duty cartridge that is registered by the EEC for use as a fog to enhance existing cleaning and disinfection process. Minncare Dry Fog is being used by hundreds of US and international Pharma Companies.

- Environmentally Friendly

Minncare Dry Fog System utilizes Minncare, a fully biodegradable sporicidal that will not leave any measurable air residuals once the room has been fully ventilated. Minncare contains only pharmaceutical quality raw materials, limiting the introduction of any undesirable compounds into the cleanroom environment.

- Reduced Time & Labor

The lack of toxic aldehyde vapors results in extremely short process times—over 50% faster than some conventional systems. This means less production downtime and lower total costs. Typically, the entire process can be completed in less than 3 hours, depending upon room size and ventilation system efficiency, compared to a 20 to 25 days with some conventional systems.

Minncare Dry Fog System

Minncare® Dry Fog System is a proven, high technology solution for rooms up to 30,000 ft³ (1000 m³) and was designed specifically for use in pharmaceutical clean rooms.

- Dry fog technology validated by hundreds of AA and isolated pharmaceutical facilities worldwide
- Controlled and consistently achieved dead space vaporization
- Eliminates risk of condensation
- Ensures penetration of Minncare into normally inaccessible areas
- Effective disinfection in all areas of rooms including multiple rooms with areas up to 10,000 ft³ using one single unit
- A different spray nozzle position possibilities for higher flexibility
- Spay effusion is horizontal or vertical
- Robust construction with easy maintenance and no moving parts
- Does not require electrical connection
- Sanitary construction using 316L Stainless Steel for key components
- Does not require electrical connection
- User friendly than more conventional systems
- Portable system can easily be used in multiple locations
- Substantially lower cleanroom downtime
- Validated methodology according to international Pharma Standards
- Extensive documentation package and traceability on key parts
- Validated reproducible procedure according to international Pharma Standards
- Substantially lower cleanroom downtime
- Portable system can easily be used in multiple locations
- Sanitary construction using 316L Stainless Steel for key components

Minncare® Cold Sterilant System

The Minncare Dry Fog system provides an easy to use, high technology solution for rooms up to 30,000 ft³ (1000 m³) and was designed specifically for use in pharmaceutical clean rooms.

- Minncare technology validated by hundreds of AA and isolated pharmaceutical facilities worldwide
- Controlled and consistently achieved dead space vaporization
- Minncare® Cold Sterilant is a powerful disinfectant containing a proprietary mixture of peracetic acid and hydrogen peroxide. It is effective against a wide spectrum of organisms including bacterial spores, fungal spores, bacteria, mycobacteria, yeast, molds and yeasts. Minncare® Cold Sterilant is not a systemic bactericide. Rather it is a powerful biocidal that attacks and breaks down the organic components of microorganisms, not just killing them, but destroying their structure. This makes Minncare® Cold steril one of the safest and most effective disinfectants available.

Minncare® Cold Sterilant Features & Benefits

- No toxic aldehyde vapors
- Faster and safer than standard aldehyde disinfection methods
- Very effective bactericidal, fungicidal, virucidal and sporicidal
- 50% registered as log reduction as part of the bio-decontamination procedures
- Fully biodegradable
- Contains only pharmaceutical quality raw materials
- Easy to use with aldehyde based liquids
- EPA and CE registered

Minncare® Cold Sterilant

A Superior, Safe, Environmentally Friendly Biocide

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Minncare® Cold Sterilant (Formula: CH3COOOH / H2O2)

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Minncare Dry Fog System Advantages

- **100% Coverage**

  The Minncare Dry Fog equipment is designed to produce dry droplets that average 7.5 microns in diameter, which will ensure even dispersion of the Minncare solution throughout the room. These dry droplets tend to bounce off hard surfaces and thus avoid excessive condensation, corrosion, and surface wetting issues associated with systems producing larger droplets.

- **Lower Cost Capital**

  The system is easily adaptable to offering room dimensions and configurations and can be adjusted to any any room layout. It is readily transportable and can be used in multiple locations, narrowing only a compressed air source to operate. It will deliver an adequate solution quantity to rooms up to 4,000 ft³ (113 m³). Beyond this size, multiple machines may be required.

- **Ease of Validation**

  Minncare is a peracetic acid and hydrogen peroxide based proprietary chemistry developed by Medivators for optimized biocidal efficacy. It is registered by the EPA for use as a fog to disperse up to 500 ml of liquid Minncare solution to rooms up to 35,000 ft³ (1000 m³) and was designed specifically for use in pharmaceutical clean rooms.

- **Environmental Friendliness**

  The Minncare Dry Fog system utilizes Minncare, a fully biodegradable sporicide that will leave no measurable air residuals once the room has been fully ventilated. Minncare Cold Sterilant is used by hundreds of FDA audited Pharma Companies.

- **Reduced Time & Labor**

  Minncare Cold Sterilant features & benefits:

  - Does not require electrical connection
  - Substantially lower cleanroom downtime.
  - Over 95% faster than some conventional systems
  - Does not require electrical connection
  - Universal cleaner with higher flexibility
  - Does not generate any undesirable components into the cleanroom environment.
  - Releases formaldehyde disinfection procedures.
  - Tends to air and ambulances; the system can be easily built into small cabinets as an inex...
**The Safest & Most Effective Clean Room Bio-Decontamination Procedure Available.**

Minncare Dry Fog®

The Complete Solution for Clean Room and Critical Area Optimization... Optimal Efficacy.

**Dry Fog Droplet Action**

- Fine Mist Action
- Ultra-Fine Dry Fog

Dry Fog Droplet Size

- Atomization
  - (under 10µm)
  - (10µm - 100µm)
  - (100µm - 300µm)
  - (under 1.0mm)

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**Dry Fog Vapor Detection Deluxe Pump Kit**

- Part Number: 290-01-032
- Description: Dry Fog Hydrogen Peroxide detector tube per 10

**Dry Fog Acetic Acid detector tube**

- Part Number: 290-01-033
- Description: 10µm 100µm 300µm 1000µm

**Minncare Cold Sterilant**

- United States Part Number
  - 176-01-129 Minncare Cold Sterilant (6 - 1 kg bottles) 6x1 kg
  - 176-01-121 Minncare Cold Sterilant (2 - 10 liter bottles) 2x10 liters
- European Part Number
  - 78397-983 Minncare Cold Sterilant (2 - 10 liter bottles) 2x10 liters
- Canadian Part Number
  - 176-01-002 Minncare Cold Sterilant (4 - 1 gallon jugs) 4x1 gal

**Dry Fog Machine weight**

- Model Minncare Dry Fog 2 System Mini Dry Fog System (US Version) Mini Dry Fog System (EU Version)
- Weight: 61.7 lbs. (28 Kg) 9 lbs. (4.1 Kg) 9.3 lbs. (4.25 Kg)

**Shipping weight**

- 77.1 - 110.2 lbs. (35-50 Kg) 17.2 lbs. (53 Kg) 17.6 lbs. (8 Kg)

**Shipping dimensions**

- 19.7" x 19.7" x 47.2"

**Minncare Cold Sterilant Ordering Information**

Visit www.mcpur.com for more information or call 1-800-633-3080

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**An Integral Part of Modern Critical Area Disinfection Procedures**

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Choose the System that Fits Your Application.

Minncare® Cold Sterilant

A Superior, Safe, Environmentally Friendly Biocide

Minncare Cold Sterilant is a powerful biocidal containing a proprietary mixture of peracetic acid and hydrogen peroxide. It is effective against a broad spectrum of organisms including bacteria, fungi, viruses, bacteria, mycobacteria, yeast, molds and yeasts. Minncare Cold Sterilant is not a systemic bactericide. Rather, it is a powerful solution that attacks and breaks down the organic components of microorganisms, yet not killing them, but destroying their structure. This makes Minncare Cold sterilization one of the fastest setting and most effective disinfectants available.

Dry Fog System Advantages

- 100% Coverage
  - The Minncare Dry Fog equipment is designed to produce fine droplets that average 7.5 microns in diameter, which will ensure even dispersion of the Minncare solution throughout the room. These small droplets will tend to bounce off hard surfaces and thus avoid excessive condensation, corrosion and surface wetting issues associated with systems producing larger droplets.
- Lower Capital Costs
  - The system is easy to adapt to different room dimensions and configurations and can be adjusted to suit any room height. It is easily transportable and can be used in multiple locations, needing only a compressed air source to operate. It will deliver an adequate solution quantity to rooms up to 30,000 ft³ in size. Beyond this size, multiple machines may be required.
- Ease of Validation
  - Minncare is a peracetic acid and hydrogen peroxide based proprietary chemistry developed by Medivators for optimized biocidal efficacy. It is registered by the EPA for use as a fog to decontaminate rooms, and is validated by hundreds of FDA audited pharmaceutical facilities worldwide.
- Environmentally Friendly
  - The Dry Fog System utilizes Minncare, a fully biodegradable sporicide that will leave no toxic aldehyde vapors, contains only pharmaceutical quality raw materials and is readily transportable and can be used in multiple locations.
- Reduced Time & Labor
  - Minncare solution (1%)
  - 105 spores <1 CFU

The Chemistry of Minncare

Minncare Cold Sterilant Features & Benefits

- No toxic aldehyde vapors
- Faster and easier to run than aldehyde based disinfectants
- Very effective bactericide, fungicide, virucide and sporicide
- EEOC/OSHA registered as fogging as part of normal disinfection procedures
- Fully biodegradable
- Contains only pharmaceutical quality raw materials
- Same compressor as aldehyde based liquids
- EPA and EEOC registered

Minncare Mini Dry Fog System

The Mini Dry Fog system provides an easy-to-use, high technology solution for confined space fogging. The flexibility of the Mini Dry Fog nozzle allows for rapid vapor dispersion and ensures the entire space is exposed to dry fog.

- Single units are suitable for use in volumes up to 30 m³ or 700 ft³ room and will deliver up to 20 litres of Minncare solution in 10 minutes.
- Controls and consistently adjustable dosage
- Minimum risk of condensation
- Ensures penetration of Minncare into normally inaccessible areas
- Effective dispersion in all areas of rooms including multiple rooms with areas up to 1000 m³ using one single unit
- 5-10% spray-eliminated precision possible for higher flexibility
- Spray dispersion is horizontal or vertical
- Rapid construction with easy maintenance and no moving parts
- Does not require electrical connection
- Sanitary construction using FDA Stainless steel key components
- H2O15 compatible
- User friendly with numerous applications
- Portable system can easily be used in multiple locations
- Substantially lower dosing concentration
- Validated reproducible procedure according to international Pharma Standards
- Comprehensive documentation and traceability on key parts
- Does not require electrical connection
- Robust construction with easy maintenance and no moving parts
- Controlled and consistently accurate droplet size
- Minncare Dry Fog System validated by hundreds of FDA audited pharmaceutical facilities worldwide
The Safest & Most Effective Clean Room Bio-Decontamination Procedure Available.

Minncare Dry Fog®

The Complete Solution for Clean Room and Critical Area Optimal System... Optimal Efficacy.

Dry Fog Droplet Action

- Dispersion of the Minncare age 7.5 microns in diameter, which will ensure even surface wetting issues associated with a fine mist bio-decontamination procedure.

The Minncare Dry Fog 2 System produces an ultrafine droplet size that tends to bounce off of hard surfaces and thus avoid excessive condensation, corrosion and operations personnel.

The Minncare Dry Fog equipment is designed to produce ultra fine droplets that average 7.5 microns in diameter, which will ensure even surface wetting issues associated with a fine mist bio-decontamination procedure.

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Mar Cor Purification

Minncare Dry Fog® Technology

An Integral Part of Modern Critical Area Disinfection Procedures

Dry Fog Vapor Detection System

The Dry Fog Vapor Detection System provides an accurate and simple way to ensure that the room has been adequately sterilized. The system allows the operator to turn the system on and off from outside the cleanroom.

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