

# BIOMIST



***Power  
Sanitizing  
System***

**BIOMIST™**

Saving Money. Saving Lives.

# Sanitize with a *Wave of the Wand*



Operating the Biomist unit is as easy as point-and-spray.

Compared to all  
other sanitizing methods, the  
*Biomist™ Power Sanitizing System*  
saves time and money.  
The spray covers hard to reach  
surfaces and crevices.

The Biomist system sanitizes more completely and with far less effort and complexity than any previous sanitation method. It's the first safe method for power spraying equipment and facilities with an alcohol-based solution. The penetrating mist reaches into small cracks and crevices that are impossible to reach with other sanitizing methods and kills pathogens where they hide.

Current surface disinfection techniques are often ineffective, utilizing a "hit or miss" approach with trigger-spray bottles and a sponge or rag wipe-down that can spread or re-introduce germs. This procedure is both time-consuming and inadequate, as dwell times must be achieved before the solution is removed. Biomist's sanitizing solution kills germs on contact and evaporates, leaving surfaces dry and ready for use. Simply spray and walk away!



## Optimal Germ-Killing Power

Alcohol has long been recognized as a powerful sanitizing agent, as pathogens cannot build up resistance to it. The proprietary Biomist sanitizer contains a solution of concentrated alcohol with a four-chain quaternary ammonium compound to continue the sanitizing action even after the alcohol has completed its killing function and evaporated. Safety concerns over alcohol's flammability have always limited its use as a surface sanitizer . . . Until now!

## Fire Safe Operation

To limit flammability, alcohol is often diluted into a weakened solution which is less effective in killing germs. Biomist's patented technology eliminates flammability by encasing the alcohol vapor in a stream of CO<sub>2</sub> gas, cutting off any oxygen needed for combustion. The solution can be sprayed safely, even in places where there is the possibility of electrical sparks or open flames.

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## Thorough, Effortless Coverage

The Biomist Power Sanitizing System propels a non-flammable mist of concentrated alcohol through a lightweight, point-and-spray atomizer. The Biomist system atomizes the sanitizing solution into extremely tiny micro-particles to form an efficacious, penetrating spray. These micro-droplets swirl into cracks and crevices, adhering to surfaces that are often missed by wiping methods.

The sanitizing mist diffuses uniformly throughout the space to be treated. Since CO<sub>2</sub> is heavier than air, it helps the sanitizer to settle onto surfaces promptly. Areas beyond physical reach can now be sanitized with minimal effort, as Biomist can be sprayed a distance of up to fifteen feet.

## Protect your Equipment and Facilities

Modern electronic equipment is not compatible with corrosive sanitizers or wet-wash methods. Biomist thoroughly sanitizes sensitive components in seconds without damaging them. Users recover their investment many times over in reduced down-time and equipment repair or replacement costs.

## In-Shift Sanitizing

Biomist eliminates the risk of cross-contamination from wiping, our D2 formula dries rapidly and is designed to sanitize surfaces without the need for rinsing or residual cleanup. Packaging equipment, conveyer lines and ready-to-eat food processing areas can now be thoroughly sanitized during working shifts to save time, labor and money. Biomist is a revolutionary intervention technology that ensures the quality of your products, and brings HACCP plans and SSOP's to a new level!

## Patented Technology. Proven Performance.

Biomist's unique technology has been used in Japan and the Pacific Rim for more than ten years. It is now utilized by:

- Ambulance services and fire departments
- Hospitals and long-term care facilities
- Food production and packaging companies
- Pharmaceutical manufacturers
- Food service industries
- Medical and dental offices
- Hotels, resort inns and spas
- Athletic facilities

## Effective, Efficient and Affordable

The Biomist Power Sanitizing System is the fastest sanitizing method available today, by far. It provides the best of both worlds: it is far more effective and far less expensive to use than all previous sanitizing methods while being environmentally, employee, and equipment safe. Biomist strengthens sanitation programs, reduces labor expense and minimizes danger to patients and sanitation crews.



*For more information,  
call us today at 1-847-850-5530  
Or log on to [www.biomistinc.com](http://www.biomistinc.com)*

## Tested and Approved

Biomist Formula D2 is an EPA and NSF approved hospital-grade disinfectant that's non-corrosive and safe for use on precision equipment and electronics. It comes pre-sealed and ready-to-use, no mixing of dangerous chemicals or wondering whether the correct concentrations were achieved. Simply point and spray; the solution safely sanitizes and quickly evaporates, leaving surfaces and equipment ready for use.

## Biomist Formula D2 Biocidal Studies and EPA Registered Label Claims



## Sanitizing

Staphylococcus aureus (ATCC 6538)  
Escherichia coli (ATCC 11299)  
Escherichia coli 0157:H7 (ATCC 43895)  
Pseudomonas aeruginosa (ATCC 15442)  
Salmonella typhimurium (ATCC 13311)  
Listeria monocytogenes (ATCC 19111)  
Enterobacter sakazakii (ATCC 51329)  
Vibrio cholerae (ATCC 14035)

## Viricidal

HIV- 1 (associated with AIDS)  
Hepatitis B Virus (HBV)  
Norovirus (Norwalk Virus)

## Disinfection

Staphylococcus aureus MRSA (ATCC 33591)  
Staphylococcus aureus (ATCC 6538)  
Enterococcus faecium VRE (ATCC 51559)  
Escherichia coli 0157:H7 (ATCC 43895)  
Pseudomonas aeruginosa (ATCC 15442)  
Listeria monocytogenes (ATCC 19111)  
Salmonella choleraesuis (ATCC 10708)

## Simple, Safe and Dependable

Biomist's control system is straightforward and easy to use. Indicator lights show Power when the machine is first turned on, Ready when the CO2 reaches optimal temperature, and Low CO2 before the cylinder runs out of propellant. The controls also include a gauge to monitor gas pressure and a digital readout of the actual vaporization chamber temperature. For additional safety, a timer can be set to automatically shut the system down when sanitizing in confined spaces.

Biomist, Inc. supplies users with a pressurized cylinder of liquefied carbon dioxide. The CO2 passes through a safety valve to the heated vaporization chamber, turning the liquid CO2 into a high pressure gas. A regulator system releases gaseous CO2 at the optimal spraying pressure. The narrow aperture of the spray gun combined with the high pressure of the propellant atomizes the solution into micro-size droplets that swirl and adhere to surfaces. The Biomist Power Sanitizing System is made in the USA, registered with the FDA, and is certified compliant with most relevant industry standards.



The CO<sub>2</sub> Propellant System

## Biomist, Inc.

573 North Wolf Road  
Wheeling, IL 60090-3027

Phone: 847-850-5530  
Fax: 847-850-5535  
Email: [info@biomistinc.com](mailto:info@biomistinc.com)

[www.biomistinc.com](http://www.biomistinc.com)

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