

**Ag24 Ideal Applications**  
**Ag24 Silver Disinfectant is ideal for use in the following areas:**



- Hospitals
- Nursing Homes
- Medical and Dental Clinics
- Laboratories
- Ambulances
- Patient Transfer Vehicles
- Hotels
- Restaurants
- Schools
- Day Care Facilities
- Offices
- Veterinary Clinics
- Animal Shelters
- Kennels
- Exercise Facilities
- Subways
- Trains
- Airplanes
- Ships
- Buses
- Public Transportation Vehicles
- Locker Rooms
- Restrooms



Brochure Item# AG2-LIT

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# Ag24

## RTU Silver Disinfectant & Deodorant



- Kills Germs in 30 Seconds †
- Disinfectant, Fungicide, Virucide
- Kills MRSA, VRE & Avian Influenza
- Odorless - No Harsh Chemical Smell
- Provides 24 hour Residual Protection
- Lowest Toxicity Rating Available- Category IV
- Safe for Everyday Use

Ag24 is manufactured and sold by:

**MISCO**  
 Products Corporation

# A Guide to Ag24 Silver Disinfectant and Deodorant

Ag24 Silver Disinfectant and Deodorant is a ready to use broad spectrum antimicrobial disinfectant that has 24-hour residual effectiveness\*. Ag24 kills the most deadly microorganisms, yet is safe for everyday use.

**Ag24 powered with SDC works twenty times faster than the leading disinfectants, and is the next generation of microbial control. Advantages of Ag24 with SDC technology include:**

- Powerful broad spectrum protection as a disinfectant, fungicide and virucide
- Kills germs in 30 seconds
- Provides residual protection for 24 hours
- Effective against resistant bacteria such as MRSA, Avian Influenza and VRE
- Lowest toxicity rating available
- Labeled for use in diverse environments including restaurants, homes, medical facilities, institutions and day care facilities.



**Item #AG2-12MN**



## What is SDC Technology in Ag24 Silver Disinfectant and Deodorant?

Ag24 Silver disinfectant cleaner contains a patented silver dihydrogen citrate (SDC) molecule, the first new antimicrobial in decades

## What makes Ag24 Silver Disinfectant and Deodorant Unique?

**Stability-** Traditional silver-based disinfectants have very short shelf lives from hours to days. The SDC in Ag24 is a stabilized silver ion molecule with a shelf life of several years. The unique bond of the silver ion in Ag24 allows the silver ion to remain in solution while at the same time making it more bio-available for antimicrobial action.

**Mode of Action-** Ag24 kills microorganisms by two modes of action: 1) the silver ion deactivates structural and metabolic membrane proteins leading to microbial death; 2) the microbes view SDC molecule in Ag24 as a food source, allowing the silver ion to enter the microbe. Once inside the organism, the silver ion denatures the DNA, which halts the microbe's ability to replicate and leads to its death. This dual action makes Ag24 highly and quickly effective against a broad spectrum of microbes.

**Non-Toxic-** Ag24 is non-toxic, non-caustic, colorless, odorless, tasteless and does not produce toxic fumes. While Ag 24's SDC is highly toxic to bacteria, fungus and virus it is non-toxic to humans and animals. Based on the EPA toxicity categorization of antimicrobial products that ranges from Category I (high toxicity) down to Category IV, at use dilutions, Ag24 is rated in the lowest toxicity category, IV, while traditional disinfectants fall into Categories I and II.



# Ag24 Silver Disinfectant and Deodorant Market Claims

## How does SDC technology work and provide 24 hour residual protection?

Unlike traditional antimicrobials, bacteria recognize SDC as a food source and move toward SDC via positive chemotaxis. This "trojan horse" attack allows SDC to easily enter the organism. Inside the organism, SDC cause irreversible damage to DNA and protein structure and function in the organism. Critical metabolic and reproduction functions halt and the organism dies. Additionally, SDC can work on an organisms outer membrane. SDC is attracted to sulfur containing thiol groups common to proteins in the organisms outer membranes. SDC destroys protein structure and function causing lysis of the membrane and death of the organism. Surplus SDC provides residual protection against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis*.



## Unparalleled Efficacy

Category	Ag24	Leading Brands
Active Ingredient	Silver dihydrogen citrate	Ethanol/Ammonium Chloride
EPA Safety Category	IV	II
Standard Bacteria Kill Time	30 seconds	10 minutes
Resistant Bacteria Kill Time	2 minutes	None
Fungal/Virus Kill Time	10 minutes	10 minutes
Residual Protection	24 hour	None
Rinse Required	No	Yes
Irritating Fumes	No	Yes
Skin Irritation	No	Yes
Flammable	No	Yes

## EPA Registered Disinfection Claims

Organism	Kill Time
<i>Pseudomonas aeruginosa</i>	30 seconds
<i>Staphylococcus aureus</i>	30 seconds
<i>Salmonella choleraesuis</i>	30 seconds
<i>Listeria monocytogenes</i>	30 seconds
Vancomycin resistant <i>Enterococcus faecium</i>	2 minutes
Methicillin resistant <i>Staphylococcus aureus</i> (MRSA)	2 minutes
<i>Escherichia coli</i> O157:H7	2 minutes
<i>Trichophyton mentagrophytes</i> (Athlete's Foot Fungus)	10 minutes
*HIV type 1- Strain HTLV IIIB	30 seconds
*Herpes Simplex Type 1 VR-733 F(1) Strain	1 minute
*Influenza A VR-544, Hong Kong strain	10 minutes
*Rhinovirus R37 VR-1147, Strain 151-1	10 minutes
*Polio Type 2, VR-1002, Lansing Strain	10 minutes

\* Refer to the product label for specific organisms controlled by Ag24