

Description

HaloMist is a United States EPA registered oxidizing disinfectant. HaloMist is a synergistic formulation of stabilized hydrogen peroxide and silver. This broad spectrum disinfectant and fogging solution may be used for surface disinfection in human healthcare facilities such as hospitals, clinics, offices, long term care, rehabilitation hospitals, emergency vehicles and laboratories, as well as for infection prevention in spaces such as schools, universities, health clubs, spas, prisons, restaurants, manufacturing plants or any other space where pathogens need to be controlled.

Efficacy Summary

Bactericidal Sanitizer 5 minute contact time

- *Proteus mirabilis* (ATCC 9240)
- *Staphylococcus aureus* (ATCC 6538)
- *Staphylococcus aureus* MRSA (ATCC 33592)
- *Enterobacter aerogenes* (ATCC 13048)

Fungicide 10 minute contact time

- *Trichophyton mentagrophytes* (ATCC 9533)
- *Aspergillus niger* (ATCC 16404)

Bactericide 10 minute contact time

- *Escherichia coli* (ATCC 11229)
- *Pseudomonas aeruginosa* (ATCC 15442)
- *Salmonella enterica* (ATCC 10708)
- *Staphylococcus aureus* (ATCC 6538)
- *Staphylococcus aureus* MRSA (ATCC 33592)

Sporicidal - Fogging Only

- *Clostridium difficile* (ATCC 43598)

Non-Label Claims Approved by EPA**

- Ebola
- Enterovirus D86
- Candida auris*

Virucide 10 minute contact time

- Human Immunodeficiency Virus type 1 (HIV-1) (Strain HTLV IIIB)
- Avian Influenza A (H5N1) virus (flu virus) (Strain VN5N1)
- Influenza A virus Hong Kong (flu virus) (ATCCVR-544)
- Swine Influenza A (H1N1) (ATCC VR-333)
- Rhinovirus type 37 (ATCC VR-1147)
- Minute virus of mice (MVM) (ATCC VR 1346)
- Norovirus (ATCC VR-782)
- Feline calicivirus (as surrogate for Norovirus) (ATCC VR-782)

** EPA Pesticide Program Update, 12/9/2014, www.epa.gov/pesticides
<https://www.cdc.gov/fungal/diseases/candidiasis/recommendations.html>

All claims backed by 3rd party validation.

Toxicity Summary

Acute Oral Toxicity: LD50 > 5000 mg/kg in female rats

Acute Dermal Toxicity: LC50 > 5000 mg/kg in male and female rats

Acute Inhalation Toxicity: LC50 > 2.08 mg/L in male and female rats

Acute Eye Irritation: Moderate eye irritant

Acute Dermal Irritation: Slight skin irritant

Skin Sensitization: Not a contact sensitizer

Technical Data

| Property | Units |
|---------------------------|--------|
| Organic Solvents | 0% |
| Active Ingredients | |
| Hydrogen Peroxide | 5% |
| Silver | .01% |
| Other Ingredients | 94.99% |
| pH | 3.0 |
| Specific Gravity | 1.019 |

2 year storage stability

HaloMist Advantages over other disinfectants

- EPA Registered (EPA No. 84526-6)
- Safe - decomposes into water, oxygen and non-toxic silver complexes
- Simple - no rinse or wipe formula
- Kills 99.9999% of *C. diff* spores
- Kills 99.99% of viruses, bacteria and fungi
- Odorless and colorless
- Can be sprayed or fogged
- No known bacterial resistance
- No toxic by-products

EPA Registered Kill Claims Summary

Summary current at time of printing. Subject to change.



www.halosil.com

haloMist™ All-Purpose Disinfectant

EPA Reg. No. 84526-6

5% Hydrogen Peroxide / 0.01% Silver Formula

haloSpray™ Multi-Purpose Surface Disinfectant

EPA Reg. No. 84526-1

5% Hydrogen Peroxide / 0.01% Silver Formula

Organism

ID

Bacteria - 10 minute contact time

| | | |
|---|------------|---|
| <i>Clostridium difficile</i> (C. diff spore form) | ATCC 43598 | <i>HaloMist only, used in HaloFogger®</i> |
| <i>Staphylococcus aureus</i> – MRSA | ATCC 33592 | |
| <i>Staphylococcus aureus</i> | ATCC 6538 | |
| <i>Enterobacter aerogenes</i> | ATCC 13048 | |
| <i>Escherichia coli</i> | ATCC 11229 | |
| <i>Pseudomonas aeruginosa</i> | ATCC 15442 | |
| <i>Salmonella enterica</i> | ATCC 10708 | |
| <i>Proteus mirabilis</i> | ATCC 9240 | |
| Sulfate Reducing Bacteria | | |

Viruses - 10 minute contact time

| | | |
|---|--|--|
| Norovirus {Norwalk virus} *** | | |
| Feline calicivirus (as surrogate for Norovirus) | ATCC VR-782 | |
| Human immunodeficiency Virus type 1 (HIV) | Strain HTLV-III(B) | |
| Influenza A (H5N1) (flu virus) | Strain VNH5N1 - PR8/CDC-RG #2006719965 | |
| Influenza A (H1N1) (swine flu) (flu virus) | * | |
| Influenza A strain Hong Kong (flu virus) | ATCC VR-544 | |
| Rhinovirus type 37 | ATCC BR-1147 - Strain 151-1 | |
| Minute virus of mice (MVM) | ATCC VR 1346 | |

Fungi - 10 minute contact time

| | |
|------------------------------------|------------|
| <i>Trichophyton mentagrophytes</i> | ATCC 9533 |
| <i>Aspergillus niger</i> | ATCC 16404 |

Non-Label Claims Approved by EPA**

| |
|-----------------|
| Ebola |
| Enterovirus D86 |



* HaloSpray has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

** EPA Pesticide Program Update, 12/9/2014, www.epa.gov/pesticides

*** Feline calicivirus used a surrogate for testing Norovirus.