

Biopharmaceutical Surface Disinfectants

Application Brief: Proven sporicides effective for use on hard surfaces in biopharmaceutical facilities

Minntech, a leading manufacturer in disinfection technology, offers two powerful sporicides through Mar Cor Purification. Minncare® Cold Sterilant is a concentrated disinfectant and sterilant. Actril® Cold Sterilant is a Ready-To-Use disinfectant and sterilant with no dilution required. Both are proven effective for use against spores, bacteria, viruses and molds on hard surfaces commonly found in biopharmaceutical facilities. Surfaces made from non-porous materials such as plastics, stainless steel or glass can be disinfected using either product.



Superior Biocidal Activity: Effective Against Spores, Bacteria, Viruses and Other Organisms

Minncare Cold Sterilant is a powerful disinfectant containing a proprietary mixture of 4.5% peracetic acid and 22.0% hydrogen peroxide. It is effective against a broad spectrum of organisms, including bacterial spores, fungal spores, bacteria, mycobacteria, yeast, molds and viruses.

Actril Cold Sterilant is another powerful disinfectant in ready-to-use form containing a proprietary mixture of 0.06% peracetic acid and 1.0% hydrogen peroxide. It too is effective against a broad spectrum of organisms, including bacterial spores, fungal spores, bacteria, mycobacteria, yeast, molds and viruses.

Neither Minncare nor Actril are systemic bactericides. Rather, they are powerful oxidizers that attack and break down the organic components of microorganisms, not just killing them, but destroying their structure. This makes Minncare and Actril some of the fastest acting and most effective disinfectants available. Both Actril and Minncare Cold Sterilants are registered with the US EPA as disinfectants and sterilants. Minncare has also been successfully tested according to European Norms for sporicidal, bactericidal, mycobactericidal, fungicidal and virucidal activity.

Safe, with No Toxic Aldehyde Vapors

Minncare and Actril Cold Sterilants protect employees from exposure to toxic aldehyde vapors. Although proper care must be taken when handling concentrated Minncare, in the use-dilution form, no exceptional handling procedures are required. Actril, with its ready-to-use form, requires no mixing and only minimal personal protection for use.

Both Minncare and Actril have been shown safe through extensive testing for toxicity and effects on skin and mucous membranes.

Low Residuals

Minnicare and Actril evaporate completely from surfaces, leaving very low residuals. Testing has shown that less than 0.5 ppm of hydrogen peroxide remains on the surface immediately after visible moisture is gone.

Biodegradable with Easy Disposal

Both Actril Cold Sterilant and Minnicare Cold Sterilant are biodegradable and will decompose into oxygen, water and acetic acid. They pose no threat to municipal waste treatment plants.*

* Unused Actril and Minnicare Cold Sterilants are acidic and require normal neutralization as specified by your state and local regulations. A 1% solution of Minnicare Cold Sterilant has a pH of 3.5. Actril has a pH of 1.5 to 2.0.

Other Information

Other documents are available for your information. These include:

- Minnicare Cold Sterilant Research Data Report (50090-129)
- Actril Cold Sterilant Technical Notes and Research Data Report (50090-287)
- Minnicare Cold Sterilant for Surface Disinfection Application Note (50096-371)
- Actril Cold Sterilant for Surface Disinfection Application Note (50096-372)
- Compatibility of Minnicare Cold Sterilant and System Materials Technical Report (50096-318)
- Testing of Minnicare Cold Sterilant for Virus Inactivation Technical Report (50096-306)

Minnicare Ordering Information

U.S. Part No.	Canadian Part No.	European Part No.	Description	Packaging
176-01-001	78399-647	n/a	Minnicare Cold Sterilant 4 x 1 quart	4 x 1 quarts
176-01-003	78399-648	n/a	Minnicare Cold Sterilant 40 US gallons	40 gallons in 55 gal. drum
n/a	n/a	176-01-125	Minnicare Cold Sterilant 2 x 5 liters	2 x 5 liters
n/a	n/a	176-01-121	Minnicare Cold Sterilant 2 x 10 liters	2 x 10 liters
n/a	n/a	176-01-129	Minnicare Cold Sterilant 6 x 1 kg	6 x 1 kg
185-40-004	78338-000	185-40-004	Minnicare Residual Test Strips	100 per vial
185-40-005	78339-000	185-40-005	Minnicare 1% Test Strips	100 per vial

Actril Ordering Information

U.S. Part No.	Canadian Part No.	European Part No.	Description	Packaging
176-02-046	78400-258	n/a	Cold Sterilant 1 liter CS6	6 x 1 liters per case
176-02-043	n/a	n/a	Actril Cold Sterilant 4 US gallons	4 x 1 US gallons
176-02-045	n/a	n/a	Actril Cold Sterilant 50 US gallons	50 gallons in 55 gal. drum
n/a	78400-446	176-02-053	Actril Cold Sterilant 2 x 5 liters	2 x 5 liters
n/a	n/a	176-02-056	Actril Cold Sterilant 6 x 1 kg	6 x 1 kg
3024980	78400-340	n/a	Actril Cold Sterilant 6 x 1 liter Clean Room Packaging	6 x 1 liters per case
n/a	n/a	3024982	Actril Cold Sterilant 6 x 1 kg Clean Room Packaging	6 x 1 kg
176-02-051	176-02-051	n/a	Actril Cold Sterilant Spray Head for Liters	1 ea.
185-40-008	78258-000	185-40-008	Actril Residual Test Strips	100 per vial
185-40-009	78259-000	185-40-009	Actril 1% Test Strips	100 per vial

Minnicare® and Actril® are registered trademarks of Minntech Corporation, a Cantel Medical Company



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