



Why is Silver Hydrogen Peroxide considered a more effective disinfectant for hospitals & healthcare

In an industry where cleanliness directly correlates with patient recovery, hospitals and healthcare facilities face the constant challenge of maintaining pathogen-free environments. With the rise of antimicrobial resistance and the increasing complexity of hospital-acquired infections (HAIs), conventional disinfectants are sometimes insufficient. Enter [Silver Hydrogen Peroxide \(SHP\)](#)—a revolutionary solution combining the potent oxidizing power of hydrogen peroxide with the long-lasting antimicrobial activity of silver. This cutting-edge disinfectant, offered by [Chemtex Speciality Limited](#), stands out as a more advanced and sustainable option for healthcare facilities, aiming to elevate the standards of infection control and environmental safety.

Unlike traditional disinfectants that may pose risks to both surfaces and human health, Silver Hydrogen Peroxide is designed to meet the evolving needs of modern healthcare environments. Its unique formulation ensures immediate disinfection and sustained antimicrobial activity, making it ideal for areas prone to high contamination, such as operating rooms, ICUs, and patient wards.

1. Broad Spectrum Efficacy:

Chemtex Speciality Limited's Silver Hydrogen Peroxide disinfectant has undergone extensive testing and has proven effective against a wide range of pathogens. In independent laboratory tests, their SHP formulation demonstrated:

- **99.999% efficacy against bacteria** such as *E. coli* and *Staphylococcus aureus* within 30 seconds of application.
- **Effective against viruses** including enveloped viruses like influenza and coronaviruses.
- **Proven efficacy against fungi and mold spores**, making it suitable for hospital settings where persistent contamination can be challenging to control.

2. Practical Applications in Healthcare: Chemtex's Silver Hydrogen Peroxide disinfectant has been implemented across multiple areas in healthcare facilities, showcasing its versatility and effectiveness:

- **Disinfection of operating rooms:** In hospitals where surgical precision and sterility are paramount, SHP has been used for disinfecting high-touch surfaces, medical equipment, and air disinfection through fogging systems.

- **Intensive care unit (ICU) disinfection:** Regular fogging with SHP in ICUs has significantly reduced the microbial load, improving patient safety and minimizing cross-contamination risks.
- **Waterline disinfection:** Chemtex's SHP has also proven effective in treating hospital waterlines, preventing biofilm formation and ensuring pathogen-free water supply.

3. Long-Lasting Protection: Chemtex's [Silver Hydrogen Peroxide](#) disinfectant not only provides an immediate kill rate but also offers residual antimicrobial protection, thanks to the silver ions that remain active on surfaces. Studies have shown that the product can maintain its efficacy for up to **48 hours** after application, offering hospitals extended protection against microbial threats.

Why Chemtex's SHP is a Game-Changer for Healthcare Units

Chemtex Speciality Limited is not only focused on delivering high-performance disinfectants but is also committed to sustainability.

- **High Efficacy Against Resistant Strains:** With rising concerns about drug-resistant bacteria, Chemtex's SHP formulation has been shown to neutralize pathogens like *MRSA* (Methicillin-Resistant Staphylococcus aureus) and *VRE* (Vancomycin-Resistant Enterococci), both of which are commonly found in hospital settings.
- **Non-Corrosive Nature:** Unlike bleach or phenolic compounds that can damage surfaces or medical instruments, SHP by Chemtex is non-corrosive, ensuring the longevity of hospital infrastructure and equipment.
- **Application Flexibility:** Chemtex's SHP can be used in a variety of disinfection methods—spraying, mopping, fogging, and wiping—making it adaptable to different hospital areas, including operating theaters, ICUs, patient wards, and even waterline systems.