

BS PEROXY®

HIGH-LEVEL CHEMICAL DISINFECTANT FOR SURFACE & ENVIRONMENT
WITH (VHP) VAPOURIZED HYDROGEN PEROXIDE TECHNOLOGY
VHP (TECHNOLOGIE MIT VERDAMPFTEM WASSERSTOFFPEROXID)

zuvertässe®
hand in hand with hygiene
Deutsch Technologie

BS-Per

For Environment and Surface Disinfection

High Level Disinfectant

BS-Peroxy™ is a new generation Vaporized Hydrogen Peroxide (VHP) based chemical sterilant.

BS-Peroxy™ is totally non-toxic, non-carcinogenic, non-irritant and eco-friendly.

BS-Peroxy assures rapid terminal disinfection of OT, ICCU, ICU, NICU & etc.

BS-Peroxy is a preferred disinfectant for QA, QC Sterile areas of pharma & etc.

Excellent cleaning and disinfecting performing in one step.

Eliminates viruses like Spores, Bacteria, Fungus, Yeast etc.

European Norms EN - 17126 : 2018 (E) Sporicidal for medical area

European Norms EN - 13727 : 2012+A2: 2015 (E) Bactericidal for medical area

European Norms EN - 1275 : 2005 (E) Fungicidal & Yeastcidal for medical area

European Norms EN - 14476 : 2013+A2:2019 (E) Virucidal for medical area

European Norms EN - 17387 : 2021 Bactericidal & Yeastcidal for medical area

European Norms EN - 13624 : 2021 (E) Fungicidal & Yeastcidal for medical area

European Norms EN - 14563 : 2008 (E) Mycobactericidal & Tuberculocidal for medical area

European Norms EN - 17272 : 2020 Bactericidal, mycobactericidal, sporicidal, fungicidal, yeastcidal, virucidal for medical area.

As per CDC Guidelines vaporized hydrogen peroxide (VHP)

CE

EN 1275
Fungicidal
Yeastcidal

EN 14476
Virucidal

EN 14476
Virucidal

EN 13727
Bactericidal

ISO 21550
Manufacturability

HAVING EN CLAIMS:

European Norms EN-17126:2018 (E) Sporocidal for medical area
European Norms EN-13727:2012+A2: 2015 (E) Bactericidal for medical area
European Norms EN-1275:2005 (E) Fungicidal & Yeasticidal for medical area.
European Norms EN-14476:2013+A2:2019 (E) Virucidal for medical area
European Norms EN-17387:2021 Bactericidal & Yeasticidal & Fungicidal for medical area.
European Norms EN-13624:2021 (E) Fungicidal & Yeasticidal for medical area.
European Norms EN-14563:2008 (E) Mycobactericidal & Tuberculocidal for medical area.
European Norms EN-17272:2020 Bactericidal, Mycobactericidal, Sporocidal, Fungicidal, Yeasticidal, Virucidal for medical area.
European Norms EN - 1650 : 2019 yeasticidal.
Meets ISO 21530:2004 Standards for material compatibility.
According to OECD 431:2019, skin corrosion potential is assessed using a reconstructed human epidermis model based on tissue viability.
OECD 439:2021 evaluates skin irritation potential using a validated reconstructed human epidermis model.
According to the EpiAirway™ Respiratory Toxicity Protocol, respiratory toxicity is evaluated using a reconstructed human airway tissue model to assess cellular viability and tissue damage.
According to OECD 492:2024, eye irritation potential is assessed using a reconstructed human corneal epithelium model based on tissue viability.

DESCRIPTION:

BS PEROXY® is a new generation High Level Chemical Disinfectant based on Vapourized Hydrogen Peroxide (VHP)™ Technology for Surface and Environment disinfection.
BS PEROXY® is a form of Escalated Hydrogen Peroxide (EHP)™ Technology which is stabilized for prolonged efficacy.
BS PEROXY® is in accordance to CDC guidelines.
BS PEROXY® is totally Non-Toxic, Non-Carcinogenic, Non-Irritant .
BS PEROXY® assures rapid terminal disinfection of OT, ICCU, ICU, NICU & Recovery Rooms.
BS PEROXY® is a preferred disinfectant for QA, QC Sterile areas of Pharma & Bio product industry.
BS PEROXY® is environment friendly and have inbuilt corrosion inhibitors for enhanced protection.



COMPATIBILITY:

BS PEROXY® is compatible to the following material:

- Silicon
- Polyvinyl chloride (PVC)
- Polycarbonate (PC)
- Ceramic film
- Glass
- Polyoxymethylene (POM)
- Acrylonitrile butadiene styrene (ABS)
- Polypropylene (PP)
- Polymethyl methacrylate (PMMA)
- Stainless Steel 316
- Aluminium

Compatibility Method: The test item was evaluated for 14 days (±2 h) against multiple test specimens. Visual and tactile inspections confirmed that the following specimens showed no significant changes after exposure to BS Peroxy®, in accordance with the contact test described in ISO 21530:2004.



APPLICATION AREAS:

ICU, CCU, Wards, OTs, Dialysis clinics emergency rooms home healthcare, hospitals, isolation areas, nursing homes, outpatient, clinics, operating rooms, patient restrooms, patient rooms, Operating table, Anesthesia machine, Surgical lights, Patient monitors, Ventilator, Patient beds, Pediatric ventilator, MRI scanner, CT scanner, Biosafety cabinet, Infant incubator. The product is non corrosive.

KEY FEATURES:

- BS PEROXY® is an advanced High-Level Chemical Disinfectant formulated using state-of-the-art Vaporized Hydrogen Peroxide (VHP)™ Technology, designed for effective surface and environmental disinfection in critical and controlled areas.
- Developed with Escalated Hydrogen Peroxide (EHP)™ Technology, the formulation is stabilized to provide sustained and reliable antimicrobial performance over extended periods.
- The product is classified as a High-Level Chemical Disinfectant in accordance with CDC guidelines, confirming its suitability for use in high-risk healthcare and sterile processing environments.
- BS PEROXY® exhibits a robust safety profile, being non-toxic, non-carcinogenic, and non-irritant, as demonstrated through internationally recognized in-vitro safety assessments.
- It enables rapid terminal disinfection of critical hospital areas, including Operation Theatres (OT), ICUs, ICCUs, NICUs, and recovery rooms.
- The product is widely adopted in Quality Assurance (QA) and Quality Control (QC) sterile zones within the pharmaceutical and bioproduct manufacturing industries.
- Its environmentally responsible formulation includes integrated corrosion inhibitors, ensuring enhanced material compatibility and long-term protection of sensitive equipment.

PACK SIZE:

- 100 ml (SKU 5102)
- 500 ml (SKU 5101)
- 1 Litre (SKU 5100)
- 2 Litre (SKU 5103)
- 5 Litre (SKU 5104)



BACTERIA/SPORES



NON-TOXIC



SKIN FRIENDLY



RECOMMENDED DILUTION FOR VAPOURIZATION:

For Bactericidal and Virucidal 10-15 ML - 1 litre in DM/RO water
For Fungicidal and Yeasticidal 30-35 ML - 1 litre in DM/RO water
For Mycobatericidal and Sporocidal 50 ML - 1 litre in DM/RO water

★ Maintain a contact period for at least 20-30 minutes for effective disinfection.

BS Peroxy® is formulated with synergistic additives designed to enhance molecular stability and optimize antimicrobial efficacy. These synergistic components interact at the molecular level to stabilize the active ingredients, minimizing premature degradation and maintaining structural integrity during storage and use. Upon dilution, strength remains the same as mentioned in the product label and the formulation demonstrates sustained activity because the synergistic system supports the preservation of the active oxidative species and prevents significant loss of functional concentration. As a result, the antimicrobial performance remains consistent and effective even at recommended working dilutions, ensuring reliable disinfection outcomes under practical clinical conditions.

Based on the toxicological evaluation report, no evidence of dermal irritation, ocular irritation, or respiratory tract irritation was observed during the vaporization of BS Peroxy® in critical areas such as the Operation Theatre (OT) and Intensive Care Unit (ICU).

Accordingly, the findings indicate that BS Peroxy® vaporization, when performed in accordance with prescribed usage guidelines and standard operating protocols, does not produce clinically significant local or airborne irritant effects.

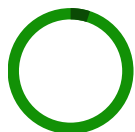
Therefore, it can be scientifically inferred that BS Peroxy® vaporization may be conducted in occupied critical care environments, including OT and ICU settings, without adverse irritation to patients or healthcare personnel, provided that the application parameters remain within the validated safety limits and institutional infection control protocols are strictly followed.



COMPOSITION:



Hydrogen Peroxide 7.35%



Peracetic Acid 0.23%



Inactive Ingredients 92.42%

