

**APPLICATION**

STERIS's Vaprox 59 Hydrogen Peroxide Sterilant is the proprietary antimicrobial developed for use in STERIS Biodecontamination Units using STERIS's VHP® Process Technology.

**DESCRIPTION**

Vaprox 59 Hydrogen Peroxide Sterilant is a specially formulated, stabilized, high-purity, 59% aqueous hydrogen peroxide solution. Other characteristics are as follows:

- Demonstrates broad-spectrum efficacy against viruses, bacteria, yeasts and bacterial spores
- Compatible with a wide range of materials (including metals, plastics and optics)
- Ensures biodecontamination\* of devices with no toxic residue
- Label includes directions for use, safety information, lot number, expiration date and reorder number
- Package insert is shipped with each lot
- Safety Data Sheet (SDS) and Certificate of Analysis are available online: [www.sterislifesciences.com](http://www.sterislifesciences.com)
- Governed by two expiration dates: Shelf Life and In-Use
- Produced under controlled conditions to assure effectiveness through expiration date stamped on label.

\* When using STERIS VHP Biodecontamination Units with Vaprox 59 Hydrogen Peroxide Sterilant in the United States of America (USA), the term biodecontamination referred to in this document is defined as sterilization of exposed porous and non-porous surfaces in a pre-cleaned, dry, sealed enclosure.† Any reference to biodecontamination as it relates to the use of this equipment in the USA does not impart additional claims of effectiveness beyond that approved in the USA Environmental Protection Agency (EPA) registered labeling of Vaprox 59 Hydrogen Peroxide Sterilant.

† Contained area to be biodecontaminated (e.g., rooms, facilities and equipment).



(Typical - details may vary.)

To minimize exposure to liquid hydrogen peroxide during handling, Biodecontamination Units use specially designed disposable plastic containers (cartridges or cups), in a variety of sizes depending upon application, containing Vaprox 59 Hydrogen Peroxide Sterilant.

PB033/PB035 features:

- Designed specifically for use in STERIS VHP MD140 and LS60 Series Biodecontamination Units
- Label equipped with a data matrix code to ensure correct container is used, sterilant is within Shelf Life expiration date and to monitor In Use expiration date

PB034 features:

- Designed specifically for use in STERIS VHP X10 Series Biodecontamination Units
- Label equipped with a Radio Frequency Identification (RFID) tag to ensure sterilant is within Shelf Life expiration date

**STANDARDS**

Vaprox 59 Hydrogen Peroxide Sterilant complies with the following standards:

- **USA Environmental Protection Agency:** EPA Reg. No. 1043-123.

**Ordering Information**

**CONTAINER INFORMATION**

- PB031 - 1 Case (6 x 950 mL) Cartridges
- PB032 - 1 Pail (5 gal [18.9 L])
- PB033 - 1 Case (3 x 113 mL) Cups
- PB034 - 1 Case (3 x 70 mL) Cups
- PB035 - 1 Case (4 x 29 mL) Cups

**ACCESSORIES**

- VH32 Siphon Cap
- VH33 Siphon Tube - Pail (5 gal [18.9 L])

Item \_\_\_\_\_

Location(s) \_\_\_\_\_

## DIRECTIONS FOR USE

Before installing a Vaprox 59 Hydrogen Peroxide Sterilant container, check expiration date printed on both carton and container. Do not use container if it is beyond its expiration date. For directions on container installation, follow Instructions for Use shipped with product or appropriate Operator Manual.

STERIS's VHP Process Technology produces hydrogen peroxide vapor from liquid Vaprox 59 Hydrogen Peroxide Sterilant and disperses this vapor throughout the enclosure.

The Biodecontamination Cycle is conducted per the Fumigation Management Plan (FMP).

**NOTE: STERIS Biodecontamination Units are only to be operated by Trained and Certified Applicators who have successfully completed both the STERIS Training and Certification Course for Applicators of Vaprox 59 Hydrogen Peroxide Sterilant and the pertinent Biodecontamination Unit Operator Course. Certification must be active and in force for all Applicators of Vaprox 59 Hydrogen Peroxide Sterilant.**

## NOTES

1. Do not use after expiration date printed on the packaging.
2. Users of Vaprox 59 Hydrogen Peroxide Sterilant are required to take and pass the Vaprox Hydrogen Peroxide Sterilant Training and Certification Course ([www.sterislifesciences.com](http://www.sterislifesciences.com)). US ONLY
3. Not for use to reprocess reusable instruments for human use.

**CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS.**

**The base language of this document is ENGLISH. Any translations must be made from the base language document.**

## ENGINEERING DATA

### Typical Physical Properties:

H2O2 Concentration %	58.4 - 59.4*
Approximate pH	1.5 - 3.5
Physical State	Liquid
24-Hour Stability	≥ 96
Residue (After Evaporation) (ppm)	≤ 300
Acidity (as H2SO4)(%)	≤ 1000
Iron (ppm)	≤ 20
Tin (ppm)	≤ 50
Phosphate (ppm)	≤ 200
Lead (ppm)	≤ 20

\* Release specification for STERIS manufacturing.

### Shelf Life Unopened Containers:

PB031/PB032/PB034	24 Months
PB033	12 Months
PB035	6 Months

### Shelf Life Opened (In Use) Containers:

PB031/PB032	45 Days
PB033/PB035	14 Days

### Storage of Container:

Upright  
At Room Temperature or below 77°F (25°C)  
Not in Direct Sunlight  
Do Not Freeze  
Do Not Expose to Cyanide, Hexavalent Chromium compounds, other oxidizers, reducers, combustible materials, or flammable vapors.

### Disposal of Container:

Triple rinse empty container and dispose of in accordance with local, state and federal regulations.

## For Further Information, contact:



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