STERIS
Life Sciences

# VESTA-SYDE™ SQ 64 READY-TO-USE DISINFECTANT

## TECHNICAL DATA

## GENERAL DESCRIPTION

Vesta-Syde™ SQ 64 Ready-to-Use Disinfectant is a ready-to-use quaternary ammonium-based formula designed to be an effective one-step disinfectant cleaner for use in pharmaceutical manufacturing facilities and other indoor areas where infectious contamination control is a necessity.

Vesta-Syde SQ 64 Ready-to-Use (RTU) disinfectant is a phosphate-free one-step disinfectant cleaner with verified efficacy against a broad spectrum of bacteria, fungi, and viruses. The sterile version is ideal for use in aseptic processing and other controlled classified environments.

Vesta-Syde SQ 64 RTU disinfectant is intended for use on washable hard, non-porous environmental surfaces such as floors, walls, counters, tools, carts, and other medical equipment surfaces used in pharmaceutical and cosmetic manufacturing facilities, as well as in food processing, preparation, and service facilities, in veterinary clinics and animal research facilities, and in other indoor areas where infectious contamination control is a necessity.

Use this product for cleaning and disinfection of hard, non-porous surfaces such as metal surfaces made of stainless or galvanized steel and chrome, glazed porcelain, plastics, glass, glazed tile, washable painted or varnished surfaces, and sealed concrete, as well as resilient vinyl, asphalt, linoleum, rubber, terrazzo, or other combination-type floors.

| FEATURES | BENEFITS |
|---|---|
| Ready-to-use formulation | Saves labor, time, and prevents errors associated with manual dilution |
| Quaternary ammonium disinfectant with excellent fungicidal properties | Broad-spectrum microbial efficacy, can support reduced use of sporicidal agents to control fungi |
| Engineered with effective detergency | Phosphate-free formula cleans and disinfects in one step |
| Sterile version is double-bagged and sterilized by validated gamma irradiation process | Optimal configuration to control contamination during material transfer into aseptic areas |
| | Certificate of Analysis with Sterility Assurance Level (SAL) $10^{-6}$ |
| Active ingredients notified according to the Biocide Product Directive and registered with the United States Environmental Protection Agency (EPA) | Available in most countries worldwide |
| Manufactured in accordance with current Good Manufacturing Practices (cGMP) at STERIS facilities with complete lot traceability | Consistent cGMP-compliant product for validated applications in regulated industries |

## PHYSICAL PROPERTIES

| | |
|---|---|
| Form | Clear, colorless to light yellow |
| Odor | Mild, characteristic of isopropyl alcohol |
| Specific Gravity (25°C [77°F]) | 0.98, typical |
| pH | 11.2, typical |

## NORTH AMERICA: MICROBIAL EFFICACY DATA

To demonstrate Vesta-Syde SQ 64 RTU disinfectant meets the EPA requirements for a broad-spectrum disinfectant, testing was performed according to AOAC Use-Dilution Method for Testing Disinfectants, AOAC Use-Dilution Test modified for bacteria and fungi, and ASTM E1053-11.

### Bactericidal Properties

This ready-to-use product was tested following AOAC Use-Dilution Method for Testing Disinfectants. This ready-to-use product is effective in 10 minutes at 20°C (68°F) on washable hard, non-porous surfaces, in the presence of 5% organic soil against the following bacteria: *Pseudomonas aeruginosa* (ATCC 15442), *Staphylococcus aureus* (ATCC 6538), *Staphylococcus epidermidis* (ATCC 12228), *Burkholderia cepacia* (ATCC 25416), *Enterobacter cloacae* (ATCC 13047), *Streptococcus pyogenes* (ATCC 19615), *Listeria monocytogenes* (ATCC 19111), *Micrococcus yunnanensis* (ATCC 7468), and *Serratia marcescens* (ATCC 14756).

### Fungicidal Properties

This ready-to-use product was tested following AOAC Use-Dilution Test modified for fungi and found effective against the following fungi: *Trichophyton interdigitale* (formerly *T. mentagrophytes*) (ATCC 9533), *Aspergillus brasiliensis* (ATCC 16404), *Aspergillus niger* (ATCC 6275), and *Candida albicans* (ATCC 10231).

### Virucidal Properties

This ready-to-use product was tested according to ASTM E1053-11 and found effective against the following viruses: Human Immunodeficiency Virus Type 1 (HIV-1), Influenza A2 Virus (A/2/Japan/305/57) (H2N2), Avian Influenza Virus (H9N2), Human Rotavirus, and Feline calicivirus (surrogate for Human Norovirus).

## EUROPE: MICROBIAL EFFICACY DATA

**This testing and these related claims are pertinent to Europe only and are not approved for use in the United States.** For approved uses in the United States, refer to U.S. EPA-approved labelling as referenced in the section above. The table below contains summary results for Vesta-Syde SQ 64 RTU disinfectant including EN test method reference, challenge microorganisms, and test conditions. All results are considered a pass according to the log-reduction criteria in the referenced EN standards.

| Test Standard* | Conditions | Microorganism |
|---|---|---|
| EN 1276 | 5 minutes, soiled | *Enterococcus hirae* |
| | | *Staphylococcus aureus* |
| | | *Escherichia coli* |
| | | *Pseudomonas aeruginosa* |
| EN 13697 | 5 minutes, soiled | *Enterococcus hirae* |
| | | *Staphylococcus aureus* |
| | | *Escherichia coli* |
| | | *Pseudomonas aeruginosa* |
| EN 1650 | 5 minutes, clean | *Candida albicans* |
| | 15 minutes, soiled | *Candida albicans* |
| | 15 minutes, soiled | *Aspergillus brasiliensis* |
| EN 13697 | 5 minutes, clean | *Candida albicans* |
| | 15 minutes, soiled | *Candida albicans* |
| EN 14476 | 5 minutes, soiled | Murine norovirus |
| | 15 minutes, clean | Adenovirus |
| | | Polio virus |

*EN 1276: Quantitative suspension test for bactericidal activity of chemical disinfectants
*EN 13697: Quantitative non-porous surface test for bactericidal activity of chemical disinfectants
*EN 1650: Quantitative suspension test for fungicidal activity of chemical disinfectants
*EN 14476: Quantitative suspension test for virucidal activity

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### Cleaning and Disinfecting Hard, Non-Porous Surfaces

Remove gross filth mechanically by sweeping or other appropriate cleaning techniques. Apply this ready-to-use product with a cloth, sponge, mop, brush, or coarse spray using normal cleaning methods. Thoroughly wet all surfaces to be cleaned. Allow treated surfaces to

soak for 10 minutes. Then remove excess solution with a moist or damp applicator.

**Animal Husbandry, Animal Research, and Poultry Facility Cleaning and Disinfecting**

Remove all animals and feed from the premises, vehicles, and enclosures. Remove all litter and manure from the floors, walls, and surfaces of facilities traversed or occupied by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply product with a cloth, sponge, mop, brush, or coarse spray using normal cleaning methods. Saturate surfaces with product. Allow surfaces to remain wet for 10 minutes. Ventilate building, vehicles, and other closed spaces. Do not house livestock or empty equipment until treatment has absorbed, set, or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, and waterers with soap or detergent and rinse with potable water before reuse.

**Cleaning and Disinfecting Food Preparation and Processing Facilities and Equipment**

Cover or remove all food and packaging materials. Remove all gross soils. Thoroughly wet all surfaces. Scrub to loosen all soils. Allow to soak for 10 minutes. Thoroughly rinse all wetted and cleaned surfaces with potable water.

***KILLS HIV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS*** *in healthcare settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type HIV-1 (associated with AIDS).*

**Special Instructions for Cleaning and Decontamination Against HIV-1 (Human Immunodeficiency Virus or Aids Virus) on Surfaces/ Objects Soiled with Blood/Body Fluids**

**Personal Protection**: Wear appropriate barrier protection such as latex gloves, gowns, masks, and eye coverings.

**Cleaning Procedure**: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application. Apply solution as directed in paragraphs above.

**Contact Time**: Allow surface to remain wet for 10 minutes.

**Infectious Materials Disposal**: Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious disposal.

## STORAGE AND DISPOSAL

Do not contaminate food, feed, or water by storage or disposal.

**Pesticide Storage**

Store in original container in a cool, well-ventilated area. Do not store near heat or open flame. If frozen, thaw and remix before use.

**Pesticide Disposal**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal**

*(For <5 gal:)* Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Clean container promptly after emptying.

Triple rinse as follows: Empty the remaining contents and dispose of as pesticide waste. Fill the container 1/4 full of water and recap. Shake for 10 seconds. Dispose of rinsate as pesticide waste. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

*(For >5 gal:)* Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Clean container promptly after emptying.

Triple rinse as follows: Empty the remaining contents and dispose of as pesticide waste. Fill the container 1/4 full of water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as pesticide waste. Repeat this procedure two more times.

## SERVICE

### Sales

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

### Technical

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

## PRECAUTIONS

Information concerning human and environmental exposure may be reviewed on the Safety Data Sheet (SDS) for the product. For additional information regarding incidents involving human and environmental exposure, call 1-800-424-9300.

**For further information, please contact:**

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