

HEPACIDE QUAT[®] II

VIRUCIDAL DISINFECTANT SPRAY

PRODUCT DESCRIPTION:

HEPACIDE QUAT II is a ready-to-use, quaternary-based virucidal disinfectant spray. It is non-viscous and clear in color, and fragrance-free. Users will appreciate the following product features, advantages and benefits:

EFFECTIVE AGAINST HEPATITIS:

HCV (Hepatitis C Virus) and HBV (Hepatitis B virus) are serious concerns in the health care environment due to its highly infectious nature and the fact that chronic infection can lead to cirrhosis and cancer of the liver. Hard water performance is not a concern since Hepacide Quat II is ready-to-use and formulated with soft water.

QUATERNARY BASED:

Quaternary-based, HEPACIDE QUAT II is more user friendly than some phenolics and other tuberculocidal products, which can be aggressive to surfaces and human skin.

NO WASTE/SAVES TIME AND LABOR:

HEPACIDE QUAT II does not require mixing. Since it has been registered by the EPA in its ready-to-use form, it is not necessary to make up fresh solutions each week. Unlike some concentrated disinfectants that lose their potency once mixed and must be replaced on a regular, sometimes weekly basis, HEPACIDE QUAT II is a stable formula for up to 12 months.

SURFACE SAFE:

HEPACIDE QUAT II is clear in color. Dye free. When used according to directions, it will not stain tile, grout or other surfaces.

CLEANING PERFORMANCE:

Unlike some disinfectants that offer excellent kill claims but lack cleaning performance, HEPACIDE QUAT II provides good cleaning performance on light to medium duty soils.

VERSATILE:

HEPACIDE QUAT II cleans, disinfects and deodorizes. Use on walls, floors, countertops, doors, and restroom surfaces.

USER FRIENDLY:

No need to mix. Simply spray and wipe. Convenient RTU quarts store easily and enhance distribution. Provides consistent quality. Eliminates waste. Cuts down custodial training time. For maximum user economy, HEPACIDE QUAT II is also available in 55, 30 and 15-gallon drums, and 5-gallon pails.

WHO CAN BENEFIT?

Hospitals	Hotels/Motels	Airplanes
Laboratories	Locker Rooms	Highway Service Areas
Nursing Homes	Health Spas	Gas Stations
Urgent Care Facilities	Gyms	Restaurants
Doctor Offices	Schools	Delicatessens
Dentist Offices	Day Care Centers	Cafeterias
Veterinary Clinics	Public Transportation	Fast Food Chains
Dialysis Centers	Ambulance Services	Industry
Blood Banks	Law Enforcement	All Public Places
	(Cars and Facilities)	

KILL CLAIMS:

- Kills Staphylococcus aureus, Pseudomonas aeruginosa and Salmonella choleraesuis.
- Kills Methicillin resistant Staphylococcus aureus (MRSA) and Vancomycin resistant Enterococcus faecalis (VRE).
- Kills Hepatitis C Virus (HCV), Hepatitis B Virus (HBV), and HIV-1 (AIDS Virus)
- Kills Herpes simplex Type 2 and Influenza A₂/Hong Kong viruses on hard, inanimate non-porous environmental surfaces.

DIRECTIONS FOR USE:

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

Disinfection and Cleaning: Remove gross filth before disinfection. Apply HEPACIDE QUAT II with a cloth, mop, sponge or coarse sprayer. Treated surfaces must remain wet for 10 minutes. Wipe off with a damp cloth or rinse with water. This product will not leave grit or soap scum.

KILLS HCV, HBV, AND HIV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care 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 Hepatitis C Virus (HCV), Hepatitis B Virus (HBV), and human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

Special Instructions for Cleaning and Decontamination Against HCV, HBV, and HIV-1 on Surfaces or Objects Soiled with Blood or Body Fluids:

Personal Protection: Exposure to blood or body fluids should be avoided by use of barrier protection such as latex or other impervious gloves. Face shields and impervious gowns should also be worn if splashing of blood or body fluids may occur.

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant.

Contact Time: Leave surfaces wet for 10 minutes.

Disposal of Infectious Material: Contaminated cleaning materials, blood and other body fluids should be autoclaved and/or disposed of according to local regulations for infectious waste disposal.

Hospital and Broad Spectrum Effectiveness is demonstrated by its germicidal activity against the following organisms.

BACTERICIDAL ACTIVITY:

NOTE: All efficacy testing was carried out in accordance with EPA organic soil contamination requirements (5% blood serum) for one-step disinfectant cleaners.

HEPACIDE QUAT II was tested against *Staphylococcus aureus*, *Salmonella choleraesuis*, and *Pseudomonas aeruginosa* in accordance with the use-dilution procedures as outlined in the manual of the AOAC, modified per EPA's DIS/TTS-2 for organic soil load. Results of this testing show Hepacide Quat II to be an excellent bactericide even in the presence of 5% blood serum.

Test Conditions 5% blood serum, 10 minute contact time						
	Staphylococcus aureus ATCC #6538		Salmonella choleraesuis ATCC #10708		Pseudomonas aeruginosa ATCC #15442	
Sample	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth
A	60	0	60	0	60	0
B	60	0	60	0	60	0
C	60	0	60	0	60	0

Effective Against Antibiotic-Resistant Bacteria:

HEPACIDE QUAT II has been tested and shown effective against Methicillin resistant *Staphylococcus aureus* (MRSA) and Vancomycin resistant *Enterococcus faecalis* (VRE). Test Method: AOAC Use-Dilution Test Method Modified per EPA's DIS/TSS-2 for organic soil.

Test Conditions: 5% blood serum, 10 minute contact time				
	Methicillin resistant Staphylococcus aureus (MRSA) ATCC #33592		Vancomycin resistant Enterococcus faecalis (VRE) ATCC #51299	
Sample	Carriers Tested	Carriers Showing Growth	Carriers Tested	Carriers Showing Growth
1	10	0	10	0
2	10	0	10	0

VIRUCIDAL ACTIVITY:

Hepacide Quat II kills the pathogenic viruses HIV-1 (AIDS virus), HCV (Hepatitis C virus), HBV (Hepatitis B Virus), Herpes simplex Type 2 and Influenza A₂ (Hong Kong) virus on hard, non-porous inanimate surfaces.

Test Conditions: 5% blood serum, 10 minute contact time	
Virus	Results
BVDV (Hepatitis C surrogate)	Proven effective
DHBV (Hepatitis B surrogate)	Proven effective
HIV-1 (AIDS virus)	Proven effective
Herpes simplex type 2 Virus	Proven effective
Influenza A ₂ (Hong Kong)	Proven effective

SPECIFICATION DATA:

ACTIVE INGREDIENTS:

Alkyl (C₁₄ -50%, C₁₂-40%, C₁₆-10%)

dimethyl benzyl ammonium chloride.....	0.16%
Octyl decyl dimethyl ammonium chloride.....	0.12%
Diocetyl dimethyl ammonium chloride.....	0.06%
Didecyl dimethyl ammonium chloride.....	0.06%
INERT INGREDIENTS:	99.60%

- Specific Gravity - 0.998 @ 24°C/75°F
- Density - 8.32 lbs./gal/@24°C/75°F
- pH – 6.0 – 7.0
- Viscosity – Non-viscous
- Color - Clear
- Fragrance – None
- Flash Point - None
- Cloud Point - None to boiling
- Stability:
 - a. Shelf @24°C/75°F – One-year
 - b. Freeze/Thaw - 3 Cycles
- Phosphate free

PACKAGING:

HEPACIDE QUAT II is available in 330-gallon and 275-gallon reusable totes; HDPE (High Density Polyethylene) 15, 30 and 55-gallon drums, and 5-gallon pails. For maximum user convenience, HEPACIDE QUAT II is available in attractively silk-screened RTU Handi Spray quarts, 12 per case. Each quart case includes one trigger sprayer. Label copy is available in both English and Spanish. Secondary labels are also available.

Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting www.spartanchemical.com.

GUARANTEE:

Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture.