

# TB-CIDE QUAT<sup>®</sup>

## CLEANER/DEODORIZER/DISINFECTANT

### PRODUCT DESCRIPTION:

TB-Cide Quat is a quaternary-based, ready-to-use cleaner/deodorizer/disinfectant. TB-Cide Quat is non-viscous and water clear in color with a crisp, clean lemon fragrance. This broad spectrum, state-of-the-art disinfectant not only meets the recommendations of the OSHA Bloodborne Pathogen Standard for activity against Mycobacterium tuberculosis, BCG, HBV (Hepatitis B Virus), HCV (Hepatitis C Virus), and HIV-1 (AIDS Virus), but also addresses present-day health care management concerns relating to Escherichia coli O157:H7 and in the animal health care area, Canine parvovirus.

### WHO CAN BENEFIT:

Health care providers in hospitals, nursing homes, schools; those involved in maintaining facilities where large numbers of people are present; and animal health care veterinarians, animal grooming, animal husbandry, etc. can benefit from TB-Cide Quat's broad spectrum disinfectant activity.



### KILLS GERMS:

The resurgence of infectious diseases such as tuberculosis and the emergence of new strains of Escherichia coli have created heightened concern. TB-Cide Quat is proven to kill Mycobacterium tuberculosis, BCG, HIV-1 (AIDS Virus), HBV (Hepatitis B Virus), and HCV (Hepatitis C Virus), but also addresses concerns relating to Escherichia coli O157:H7, i.e., recent E. coli outbreaks in restaurants and other food processing areas.

### MEETS THE RECOMMENDATIONS OF OSHA'S BLOODBORNE PATHOGEN STANDARD:

An "intermediate-level" disinfectant by the Spaulding system, TB-Cide Quat is proven effective against the TB bacillus and HIV-1 (AIDS Virus), HBV (Hepatitis B Virus), and HCV (Hepatitis C Virus) in health care or other areas where blood or body fluids are present or expected.

**CANINE PARVOVIRUS:**

TB-Cide Quat is an excellent multi-purpose disinfectant for use in animal health care facilities. It offers proven effectiveness against Canine parvovirus as well as desirable cleaning and deodorizing characteristics.

**MILDEWSTAT:**

TB-Cide Quat controls mold and mildew and is, therefore, excellent for use in restrooms, shower rooms, on damp concrete and other areas susceptible to mildew growth.

**VERSATILE:**

An excellent disinfectant for use on walls, sink tops, tables, chairs, glazed ceramic tiles in bathrooms, shower stalls and bathtubs, cabinets.

**DEODORIZER:**

TB-Cide Quat deodorizes garbage storage areas, empty garbage bins and cans, on damp concrete and in restrooms and other areas which are prone to odors caused by microorganisms.

**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

**Disinfection, Deodorizing and Cleaning:**

Remove gross filth or heavy soil prior to application of TB-Cide Quat. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow TB-Cide Quat to penetrate and the surface to remain wet for 3 minutes (for Bloodborne Pathogens: HIV-1 allow surface to remain wet for 1 minute; HBV and HCV allow surface to remain wet for 5 minutes). No scrubbing is necessary. Wipe off with a clean cloth, mop or sponge. This product will not leave grit or soap scum.

Using approved AOAC test methods (under Good Laboratory Practices, [GLPs]), in the presence of 5% blood serum and a 3 minute contact time, unless otherwise noted, TB-Cide Quat kills the following organisms on hard, non-porous inanimate surfaces:

**BACTERICIDAL ACTIVITY (BACTERIA):**

*Pseudomonas aeruginosa*, (ATCC 15442) *Listeria monocytogenes*, (ATCC 35152)  
*Staphylococcus aureus*, (ATCC 6538) *Yersinia enterocolitica*, (ATCC 23715)  
*Salmonella (choleraesuis) enterica*, (ATCC 10708) *Enterococcus faecium*, (ATCC 6569),  
*Escherichia coli*, (ATCC 11229) *Corynebacterium ammoniagenes*, (ATCC 6871)  
*Escherichia coli* 0157:H7, (ATCC 43895) *Salmonella (typhi) enterica*, (ATCC 6539),  
*Streptococcus pyogenes* (necrotizing fasciitis – Group A) V.A. Medical Center Isolate (04001)

**ANTIBIOTIC-RESISTANT (STRAINS OF) (ANTIBIOTIC-RESISTANT BACTERICIDAL ACTIVITY):**

Methicillin resistant Staphylococcus aureus (MRSA), (ATCC 33593)  
Vancomycin resistant Enterococcus faecalis (VRE), (ATCC 51575)  
Vancomycin intermediate resistant Staphylococcus aureus (VISA), (CDC Isolate 99287), Methicillin resistant Staphylococcus epidermidis (MRSE), CATCC 51625, Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS123) Genotype USA 400, Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS384) Genotype USA 300

**TUBERCULOCIDAL ACTIVITY:**

TB-Cide Quat exhibits disinfectant efficacy against Mycobacterium tuberculosis BCG at 20 degrees Centigrade when the treated surface is allowed to remain wet for 5 minutes.

**\*VIRUCIDAL ACTIVITY:**

TB-Cide Quat kills on hard, non-porous inanimate surfaces when allowed to remain wet for a 10 minute contact time against:

Hepatitis A Virus (HAV), Canine Parvovirus and Poliovirus Type 1

TB-Cide Quat, when used on environmental, inanimate hard surfaces exhibits virucidal activity against Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), and Bovine Viral Diarrhea (BVDV) when the treated surface is allowed to remain wet for 5 minutes; Human Coronavirus, SARS associated with Coronavirus and Avian Influenza A for 2 minutes; Rhinovirus type 39 (ATCC VR-340) and Rotavirus for 3 minutes; HIV-1 (associated with AIDS) for 1 minute (60 seconds) and Norovirus (Norwalk virus), Feline Calicivirus and Rabies Virus for 30 seconds.

**KILLS HIV-1, HBV, and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) 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 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).  
**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV, and HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:**

When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, or eye coverings.

**CLEANING PROCEDURES:**

Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**CONTACT TIME:** Allow surface to remain wet for HBV and HCV for 5 minutes, for HIV-1 for 1 minute. These contact times do not control other common types of viruses and bacteria.

**DISPOSAL OF INFECTIOUS MATERIALS:**

Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**FUNGICIDAL ACTIVITY** - TB-Cide Quat, is fungicidal against the pathogenic fungus, Trichophyton mentagrophytes (Athlete's Foot Fungus) (a cause of ringworm), when used with a 10 minute contact time on clean, non-porous, hard surfaces as found in bathrooms, shower stalls, locker rooms, or other areas commonly contacted by bare feet.

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

**MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard, non-porous surfaces spray surface to be treated making sure to wet completely. Let air dry. Repeat application at weekly intervals or when mildew growth appears.

**SPECIFICATION DATA:****ACTIVE INGREDIENTS**

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides.....	0.105%
n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethyl benzyl ammonium chlorides.....	.0.105%

**INERT INGREDIENTS -- 99.790%**

Specific Gravity - 1.01 @ 24C/75°F

Density - 8.38 lbs./gal. @ 24°C/75°F

pH - 11.5-12.5

Viscosity - Water thin

Color - Clear to light amber. Color variation does not affect disinfectant properties.

Fragrance - light lemon scent

Flash Point - > 200°F

Cloud Point - > 160°F

Stability:

- Shelf @24°C/75°F - One year minimum
- Freeze/Thaw - 3 cycles

Contains biodegradable surfactants.

Phosphate free

Kosher certification not required due to the nature of intended use.

EPA Reg. No. 1839-83-5741

EPA Est. No. 5741-OH-1

**PACKAGING:**

TB-Cide Quat is available in 330-gallon reusable totes; recyclable HDPE (High Density Polyethylene) RTU Handi Spray quarts, 12 per case. Each case includes three trigger sprayers. In compliance with EPA regulations, each quart is equipped with an approved child resistant closure. 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](http://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 date of manufacture.