



Department of Agriculture  
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO. 9249.70

QT-TB is designed specifically as a general non-acid cleaner and disinfectant for use in homes, hospitals, nursing homes, schools, food processing plants, food service establishments, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail businesses and athlete/recreational facilities where housekeeping is of prime importance in controlling the hazard of cross contamination. It is formulated to disinfect hard, non-porous inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, and cabinets. For plastic and painted surfaces, spot test on an inconspicuous area before use. May be used in the kitchen on counters, sinks, appliances, and stovetops. A rinse with potable water is required for surfaces in direct contact with food. In addition, this product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other areas which are prone to odors caused by microorganisms. QT-TB contains no phosphates or phosphorus.

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

**One-step cleaning and disinfection of toilet bowls and urinals:** Remove water from bowl by forcing water over trap with a swab mop applicator. Press swab mop against side of the bowl to remove excess water from applicator. Apply 1 to 2 ounces of this product evenly, allowing sufficient time for product to cover entire surface of bowl for maximum cleaning. Swab bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes) and flush.

**To disinfect food processing premises:** Before using this product food products and packaging materials must be removed or carefully protected. For floors, walls and storage areas, hold container six to eight inches from the surface to be treated and spray area until it is covered with the solution. Allow product to penetrate and remain wet for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be pre-cleaned before using this product.

**To disinfect food service establishment food contact surfaces:** Before using this product, food products and packaging materials must be removed or carefully protected. For countertops, appliances, tables, hold container six to eight inches from the surface to be treated and spray area until it is covered with the solution. Allow product to penetrate and remain wet for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be pre-cleaned before using this product. Do not use on eating utensils, glassware and cookware.

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

**BACTERICIDAL ACTIVITY** - Staphylococcus aureus, Salmonella (choleraesuis) enterica, Pseudomonas aeruginosa, Escherichia coli 0157:H7, Listeria monocytogenes, Yersinia enterocolitica, Enterococcus faecium, Corynebacterium ammoniagenes, Salmonella (typhi) enterica, and Streptococcus pyogenes.

**ANTIBIOTIC-RESISTANT BACTERICIDAL ACTIVITY** - Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin intermediate resistant Staphylococcus aureus (VISA), Methicillin resistant Staphylococcus epidermidis (MRSE), Vancomycin resistant Enterococcus faecalis (VRE), Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 123) Genotype USA400, and Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 384) Genotype USA300.

**TUBERCULOCIDAL ACTIVITY** - This product exhibits disinfectant efficacy against Mycobacterium tuberculosis BCG (Mycobacterium bovis) at 20 degrees Centigrade (20°C) when the treated surface is allowed to remain wet for 5 minutes.

**\*VIRUCIDAL ACTIVITY** - QT-TB kills on hard, non-porous inanimate surfaces when allowed to remain wet for a 10 minute contact time against: Hepatitis A Virus (HAV) (University of Ottawa), Poliovirus Type 1 (ATCC VR-1000), Canine Parvovirus (ATCC VR-2017). QT-TB, when used on environmental, inanimate hard surfaces exhibits virucidal activity against Hepatitis B Virus (HBV) (Hepadnavirus Testing, Inc.), Hepatitis C Virus (HCV), and Bovine Viral Diarrhea Virus (BVDV) (NVSL) when the treated surface is allowed to

## QT-TB®

CLEANER / DEODORIZER / MILDEWSTAT  
(on hard inanimate surfaces)

DISINFECTANT / TUBERCULOCIDAL

\*VIRUCIDE / FUNGICIDE (against pathogenic fungi)

### ACTIVE INGREDIENTS

n-Allyl (60% C <sub>12</sub> , 30% C <sub>14</sub> , 5% C <sub>16</sub> , 5% C <sub>18</sub> )	0.105%
dimethyl benzyl ammonium chlorides	0.105%
n-Allyl (68% C <sub>12</sub> , 32% C <sub>14</sub> )	0.105%
dimethyl ethylbenzyl ammonium chlorides	0.105%
<b>INERT INGREDIENTS</b>	<b>99.790%</b>
<b>Total</b>	<b>100.000%</b>

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See below for additional precautionary statements and first aid.

EPA Reg. No. 1839-83-1658

EPA Est. No. 1658-MO-1

U.S. PATENT NO. 5,444,094

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice. **If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

remain wet for 5 minutes: Human Coronavirus (HCoV-229E), SARS associated Coronavirus (ZeploMetrix), Avian Influenza A strain H3N2 (ATCC VR-2072), and Avian Influenza A strain H9N2 (Charles River Laboratories) for 2 minutes; Paramyxovirus (Mumps) (ATCC VR-1438), Rhinovirus Type 3 (ATCC VR-340) and Rotavirus (University of Ottawa) for 3 minutes; HIV-1 (associated with AIDS) (Advanced Bioterapeutics, Inc.) for 1 minute (60 seconds); and Norovirus (Norwalk virus), Feline Calicivirus (University of Ottawa), and Rabies Virus (CDC) for 30 seconds. Kills Pandemic 2009 H1N1 Influenza A Virus (formerly called swine flu).

**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, and 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 5 minutes, for HIV-1 1 minute. These contact times will not control other common types of viruses and bacteria. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

**FUNGICIDAL ACTIVITY** - This product 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.

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

**KEEP OUT OF REACH OF CHILDREN.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**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** - Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water. 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. Repeat this procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.

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