



Reliable Defence

Liquid One Step Disinfectant Cleaner and Deodorant

Bactericidal/Virucidal/Fungicidal

READ THE LABEL BEFORE USING

Active Ingredients:

Didecyl dimethyl ammonium chloride 6.288% w/w

N-Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%) dimethyl benzyl ammonium chloride... 4.192% w/w

**HANDLE WITH CARE
KEEP OUT OF REACH OF CHILDREN
DANGER**

Corrosive to skin and eyes. See additional precautionary statements on back (side) panel.

Reliable Maintenance

345 Regent St.

Sudbury, Ontario

P3C 4E1

DIN 02499134

Lot No. _____

NET CONTENTS: _____ **Litres**

Expiry date : _____

PRECAUTIONS:

DANGER. Corrosive. May cause burns to eyes and skin. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Do not swallow. Wear goggles or face shield and rubber gloves when handling. Use only in well ventilated areas.

FIRST AID INSTRUCTIONS: If splashed in eyes or on skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention IMMEDIATELY. If on clothes, remove clothes immediately. If breathed in, move person to fresh air. If swallowed, drink two or three glasses of water. Do not induce vomiting. Call a physician or the Poison Control Centre IMMEDIATELY.

This product contains no phosphorous or nonyl phenol ethoxylate detergents.

Reliable Defence saves time, labor, and cost. It is specially formulated to be non-dulling to floor finishes and requires no rinsing. **Reliable Defence** is recommended for use on non-food contact surfaces in hospitals, nursing homes, schools and colleges, veterinary clinics, animal life science laboratories, and hotels. **Reliable Defence** is a broad-spectrum disinfectant cleaner and deodorant that is effective at 8 mL/L (1:128) dilution in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic blood serum against the following organisms:

Bactericidal against: *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538, *Salmonella* (enteritidis) enterica ATCC 10788, *Enterobacter aerogenes* ATCC 13048, and *Shigella dysenteriae* ATCC 9361, *Enterococcus faecium* ATCC 6569, *Escherichia coli* ATCC 8739, *Salmonella typhimurium* ATCC 14028, *Proteus mirabilis* GBL 34 Clinical Isolate, *Proteus vulgaris* ATCC 33240, *Salmonella typhi* ATCC 6539, *Serratia marscescens* ATCC GBL-NC 76 Industry Isolate, *Shigella flexneri* ATCC 12022, *Streptococcus pyogenes* ATCC 19615, *Shigella sonnei* ATCC 9290, *Staphylococcus epidermidis* ATCC 14990, *Yersinia enterocolitica* ATCC 23715, Vancomycin Resistant *Enterococcus faecium* (VRE), *Escherichia coli* O157:H7 ATCC 35150, *Salmonella* (pullorum) enterica ATCC 9120, *Salmonella choleraesuis* (ssp pullorum) ATCC 19945, *Salmonella choleraesuis* (ssp enteritidis) ATCC 13076, *Listeria monocytogenes* ATCC 984, *Klebsiella pneumoniae* ATCC 13883, Antibiotic Resistant *Staphylococcus epidermidis*, Antibiotic Resistant *Escherichia coli*, Antibiotic Resistant *Enterococcus faecium*, Antibiotic Resistant *Klebsiella pneumoniae*, Methicillin Resistant *Staphylococcus aureus* (MRSA) ATCC 33591, Penicillin Resistant *Streptococcus pneumoniae* ATCC 35088, *Escherichia coli* O157:H7 (ATCC 43895), *Shigella dysenteriae* (ATCC 12180), Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA400, Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) Genotype USA300 (ATCC 43300), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA) (ATCC 700699), Multi-Drug resistant (MDR) *Salmonella enteritidis* enterica, Multi-Drug resistant (MDR) *Acinetobacter baumannii* (ATCC 19606), Extended Spectrum β -Lactamase (ESBL) *Escherichia coli* (ATCC BAA-196),

Fungicidal: *Candida albicans* ATCC 10231, *Trichophyton mentagrophytes* ATCC 9533

Virucidal against: Herpes simplex, Type 1 ATCC VR-733, Strain F(1), Herpes simplex Type 2 ATCC VR-734, Strain G, Influenza Virus Type A2 ATCC VR-544, Strain Hong Kong, Pseudorabies Virus ATCC VR-135, Strain Aujeszky, Respiratory Syncytial Virus ATCC VR-26 Strain Long, Vaccinia Virus ATCC VR-119, Strain WR, Human Immunodeficiency Virus, Type 1, Strain HTLV-III, Vanderbilt U, and Bovine Viral Diarrhea Virus, ATCC VR-534, Strain NADL, Hepatitis C Virus (HCV), Rotavirus (ATCC VR-899), SARS Associated Coronavirus and Avian Influenza Virus (H9N2). This product has demonstrated effectiveness against Vaccinia, Bovine Viral Diarrhea and Influenza A virus and is expected to inactivate all Influenza A viruses including 2009 (H1N1) pandemic Influenza A virus.

Mildewcidal against: *Aspergillus niger* ATCC 6275,

DIRECTIONS FOR USE:

CLEANING/DEODORIZING: Apply use solution 8 mL/L (1:128) to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, or sprayer. Allow surfaces to air dry.

MILDEWICIDAL: 8 mL diluted in one litre of 400 ppm hard water (calculated as CaCO₃) and 5% organic blood serum, **Reliable Defence** will kill *Aspergillus niger* when applied to hard, nonporous surfaces. Follow disinfection instructions. Allow to dry on surface. Repeat when mildew growth returns.

FUNGICIDAL: Kills *Trichophyton mentagrophytes*, the fungus causing athlete's foot, on environmental surfaces such as shower room floors, locker room benches, and bath mats at 8 mL/L (1:128) with a contact time of 10 minutes.

GENERAL DISINFECTION: For use on the following hard, inanimate, nonporous surfaces: floors, walls, metal surfaces, glazed porcelain, and plastic surfaces. Can be used on the outside of appliances, microwaves, and refrigerators. Add 8 mL per litre of water. Remove gross filth and heavy soil deposits then thoroughly wet surfaces with the use solution and allow to remain wet for 10 minutes. Can be applied with a mop, sponge, cloth, as well as coarse spraying or soaking. For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 15 – 20 cm from surface, rub with brush, sponge, or cloth. Do not breathe spray mist. NOTE: With spray applications, cover or remove all food products. Prepare a fresh solution daily or when solution becomes visibly dirty. Solution can remain on the surface to air dry unless used on a floor, which is to be waxed or polished.

For surfaces and/or objects that may come into direct contact with children at the mouthing stage of development, a rinse with potable water is recommended.

Ultrasonic Bath Disinfection: For disinfecting hard non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 8 mL of **Reliable Defence** per litre of water directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturers directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

Veterinary Practice/Animal Life Science Laboratories Disinfection: For cleaning and disinfecting hard non-porous surfaces including equipment, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 8 mL **Reliable Defence** per litre of water for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Ultrasonic Bath Disinfection: For disinfecting hard non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 8 mL of **Reliable Defence** per litre of water directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturers directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

Disinfection of Hard Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 8 mL of **Reliable Defence** for litre of fresh water added. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

Disinfection of Barber/Salon Tools Directions: Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a use-solution (or equivalent dilution) of 8 mL of **Reliable Defence** per litre of water for at least 10 minutes. Rinse instruments thoroughly and dry before reuse. A fresh use-solution must be prepared daily or more often if the use-solution becomes (visibly dirty) (contaminated) (cloudy). **NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed from the use-solution after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged immersion may cause damage to stainless steel or metal instruments.

***KILLS HUMAN IMMUNODEFICIENCY VIRUS AND Hepatitis C Virus (HCV) ON PRE-CLEANED ENVIRONMENTAL SURFACES 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/body fluids, and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of HIV-1 and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 and Hepatitis C Virus (HCV) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS

PERSONAL PROTECTION: Personnel that clean items soiled with blood or body fluids must wear appropriate personal protective equipment, such as disposable latex or vinyl gloves, gowns, face masks or eye coverings as appropriate. personal protective equipment, such as disposable latex or vinyl gloves, gowns, face masks or eye coverings as appropriate.

CLEANING: Target surfaces must be cleaned prior to disinfection, as the presence of heavy soil on a surface may reduce the intended disinfectant efficacy of the product.

DILUTION: 8 mL **Reliable Defence** per litre of water (1:128).

CONTACT TIME: Allow surface to remain wet for 10 minutes.

INFECTIOUS MATERIALS DISPOSAL: Any materials used in the cleaning process that may contain blood or body fluids are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

NON-ACID TOILET BOWL DISINFECTANT DIRECTIONS: Remove gross filth prior to disinfection.

FROM CONCENTRATE: Add 8 mL to the toilet bowl or urinal and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, sponge, or sprayer. Allow to stand for ten (10) minutes then flush.
FROM USE SOLUTION: Empty toilet bowl or urinal and apply a 8 mL/L (1:128) use-solution to exposed surfaces including under the rim with a cloth, mop, sponge, or sprayer. Allow to stand for ten (10) minutes, then flush.

GENERAL SANITIZATION: Kills 99.9% of *Pseudomonas aeruginosa* (ATCC15442), *Escherichia coli* O157:H7 (ATCC 35150), *Klebsiella pneumonia* (ATCC 4352), *Staphylococcus aureus* (ATCC 6538), Methicillin resistant *Staphylococcus aureus* (MRSA) (ATCC 33592), *Enterobacter aerogenes* (ATCC 13048), *Salmonella enterica* (ssp. *enterica* serovar typhi) (ATCC 6539), *Streptococcus pyogenes*, *Enterococcus faecium* VRE (ATCC 51559).

For use on the following hard, inanimate, nonporous surfaces: floors, walls, metal surfaces, glazed porcelain, and plastic surfaces. Can be used on the outside of appliances, microwaves, and refrigerators. Add 8 mL product per liter of water. Remove gross filth and heavy soil deposits then thoroughly wet surfaces for 15 sec. Can be applied with a mop, sponge, cloth, as well as coarse spraying or soaking. For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 15 – 20 cm from surface, rub with brush, sponge, or cloth. Do not breathe spray mist. NOTE: With spray applications, cover or remove all food products. Prepare a fresh solution daily or when solution becomes visibly dirty. Solution can remain on the surface to air dry unless used on a floor, which is to be waxed or polished

STORAGE: Store in areas inaccessible to children. Storage at room temperature.

DISPOSAL: For information on disposal of unused, unwanted product, contact the manufacturer or the appropriate municipal/provincial/territorial agency or product stewardship organization. Rinse the emptied container thoroughly prior to disposal. Dispose of the empty container in accordance with municipal/provincial/territorial requirements. Offer for recycling, if available.