



**VIRUX**

**One-Step Cleaner Disinfectant and Deodorant**

**D.I.N. : 02506939**

Didecyl dimethyl ammonium chloride.....5.154% w/w  
N-Alkyl (C14 50%, C12 40%, C16 10%)  
dimethyl benzyl ammonium chloride.....3.436% w/w

**DESCRIPTION**

**VIRUX** is a broad-spectrum disinfectant that is recommended for use on hard surfaces in hospitals, nursing homes, schools and colleges, animal housing buildings, farm premises and hotels. **VIRUX** can be used on various surfaces (floors, walls, delicate surfaces, work desks, beauty salon tools (hairdressing) and many others.

**AVANTAGES**

1. **VIRUX** is a broad-spectrum disinfectant, it eliminates a large quantity of bacteria, viruses and germs with very low contact times unlike other disinfectants.
2. **VIRUX** is a highly effective concentrate that saves: Costs, time and money. workforce. For sanitization: 15 seconds/For disinfection: 5 minutes.
3. **VIRUX** limits the risk of cross-contamination on surfaces.
4. **VIRUX** is safe for all washable areas.
5. **VIRUX** kills the SARS-associated coronavirus and is likely to kill the SARS-CoV-2 (The virus that causes COVID-19).
6. **VIRUX** eliminates mold growth.
7. **VIRUX** is not sticky on surfaces after application.
8. **VIRUX** has been designed for application with electrostatic sprayers
9. **VIRUX** is an easy one-step cleaner, disinfectant and deodorizer.
10. **VIRUX** kills bacteria that cause bad odors.

**TECHNICAL DATA**

pH (as is) .....	11.3 – 11.6
Density (20°C) .....	0.99- 1.00
Color .....	Red
Odor .....	Fresh odor of cleanliness
Characteristic .....	None
Biodegradability .....	Complete
Flash Point .....	Above 95°C
Freeze/thaw stability .....	Keep from freezing



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**PRECAUTIONS:**

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if inhaled. Avoid breathing spray mist. Harmful if swallowed or absorbed through skin. 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.

- VIRUX is a broad-spectrum disinfectant cleaner and deodorant that is effective at 16 mL/L (1:64) dilution in the presence of 400 ppm hard water (calculated as CaCO<sub>3</sub>) plus 5% organic blood serum.
- VIRUX contains no phosphorous or nonyl phenol ethoxylate detergents.
- VIRUX saves time, labor, and cost
- VIRUX is effective against the following organisms:

Bactericidal against: Pseudomonas aeruginosa ATCC 15442, Staphylococcus aureus ATCC 6538, Salmonella enterica ATCC 10708, Enterobacter aerogenes ATCC 13048, Enterococcus faecium ATCC 19434, Escherichia coli ATCC 11229, Salmonella typhi ATCC 6539, Shigella flexneri ATCC 29508, Streptococcus pyogenes ATCC 19615, Shigella sonnei ATCC 11060, Staphylococcus epidermidis ATCC 12228, Yersinia enterocolitica ATCC 23715, Vancomycin Resistant Enterococcus faecium (VRE), , Salmonella (pullorum) enterica ATCC 9120, Salmonella (enteritidis) enterica ATCC 13076, Klebsiella pneumoniae ATCC 4352, Antibiotic Resistant Staphylococcus epidermidis, Antibiotic Resistant Escherichia coli, Antibiotic Resistant Enterococcus faecium, Methicillin Resistant Staphylococcus aureus (MRSA), Oxacillin Resistant Streptococcus pneumoniae ATCC 35088,

Fungicidal against: Candida albicans ATCC 10231, Trichophyton interdigitale ATCC 9533, tested in 5% blood serum and 400 ppm hard water.

\*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; Bovine Viral Diarrhea Virus ATCC VR-543, Strain NADL, Human Immunodeficiency Virus Type 1, Strain HTLV-III. Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Rotavirus (ATCC VR-899), SARS Associated Coronavirus and Avian Influenza Virus (H9N2) and Feline Calcivirus (Norovirus).

This product has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including 2009 (H1N1) pandemic Influenza A virus.

Kills SARS Associated Coronavirus and is likely to kill the SARS-CoV-2 (the virus that causes COVID-19)

Mildewcidal against: Aspergillus niger ATCC 6275.

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**DIRECTIONS FOR USE:**

**CLEANING/DEODORIZING**

Apply use solution by adding 16ml of VIRUX to 1 litre of water (1:64 dilution) to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, or sprayer. Allow surfaces to air dry.

**MILDEWCIDAL:** At a 1:64 dilution in 300 ppm hard water (calculated as CaCO<sub>3</sub>) and 5% organic blood serum, VIRUX 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 interdigitale*, the fungus causing athlete's foot, on environmental surfaces such as shower room floors, locker room benches, and bath mats at 16mL/L (1:64) in 400 ppm hard water (calculated as CaCO<sub>3</sub>) and 5% blood serum 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 16 mL product per liter of water in a container. Remove gross filth and heavy soil deposits then thoroughly wet surfaces for 5 minutes. 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. All surfaces that come in contact with food must be rinsed with potable water. Do not use on utensils, glasses and dishes. 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. Add 4 mL of product per 250 mL of water into a spray bottle. 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.

To disinfect inanimate, hard non-porous surfaces against Feline Calicivirus (and) Norovirus add 64 ml of this product per liter of water

**Animal Housing Area and Farm Premises:** For cleaning and disinfecting hard non-porous surfaces including equipment, utensils, instruments, cages, kennels, stables, catteries, etc.

- Remove all animals/poultry and their feed from premises prior to disinfection;
- Remove all heavy soil, such as urine and fecal matter, from surfaces and objects prior to disinfection;
- Empty all feeding and watering appliances prior to disinfection; and
- Following disinfection, do not house animals/poultry until areas have been ventilated Saturate surfaces with a use-solution of 16 mL of VIRUX per liter of water for a period of 5 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. All surfaces and/or objects that will contact feed or drinking water should be rinsed with potable water before reuse.

**Ultrasonic Bath Disinfection:** For disinfecting hard non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 16 mL of VIRUX per litre of water directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 5 minutes, according to the manufacturer's directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

This product is not to be used as a 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. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

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**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 16 mL of VIRUX for 1 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 5 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 16 mL of VIRUX per litre of water for at least 5 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 5 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-1, Hepatitis B Virus (HBV) 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, Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

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

**PERSONAL PROTECTION:** Disposable latex or vinyl gloves, gowns, face masks or eye coverings as appropriate, must be worn during all cleaning of blood/body fluids, and decontamination procedures.

**CLEANING PROCEDURE:** Blood/body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant.

**CONTACT TIME:** five 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 45 ml of this product to toilet bowl containing bowl water and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 5 minutes and flush. (Toilet Bowl water volume is considered as 2.8 liters, which represents traditional high-volume toilets.)

From use-solution: Empty toilet bowl or urinal and apply use-solution prepared by adding 16 ml this product per one liter of water to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 5 minutes and flush.

#### **SANITIZATION OF NON-FOOD CONTACT SURFACES**

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), Vancomycin resistant *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 16 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.

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# TECHNICAL SHEET

## **STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool, dry place at 15 - 30°C in areas inaccessible to children. **DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.**

### **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.
- Non-refillable container / Do not reuse or refill this container.
- Dispose of the empty container in accordance with municipal/provincial/territorial requirements. Offer for recycling, if available.

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