

46781-12

05/27/2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:  
46781-12

Date of Issuance:  
MAY 27 2011

Term of Issuance:

Name of Pesticide Product  
Cavicide 1

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Metrex Research  
1717 West Collins Avenue  
Orange, CA 92867

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(B) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Registration Number 46781-12."

Signature of Approving Official:  
*Marshall Swindell*  
Marshall Swindell  
Product Manager-33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)

Date:  
MAY 27 2011

b. Under the “**Use Directions**”

- On page 3 of the proposed label, change “**Klebsiella pneumonia**” to read “**Klebsiella pneumoniae.**”
- On page 9 of the proposed label, change “[kills viruses in 1 minute]” to read “[kills viruses in 1 minute (**Adenovirus type 2 in 3 minutes**)]”.
- On page 11 of the proposed label, change “**Bordatella pertussis**” to read “**Bordetella pertussis.**”
- On page 11 of the proposed label, add “**Multi-drug Resistant Acinetobacter baumannii,**” as it is not listed
- On page 4 of the proposed label, “**aphaeresis**” should be changed to read, “**apheresis.**”
- On page 4 of the proposed label, “**weight-lifting surfaces**” should be changed to read, “**hard surface weight lifting surfaces.**”
- On page 7 of the proposed label, remove the phrase, “on the go”
- On page 8 of the proposed label, remove the phrase, “**intermediate level disinfectant**”.
- On page 11 of the proposed label, the “**associated**” pathology must be adequately defined in the table listed. The “**associated with**” pathologies defined as “**numerous hospital infections,**” “**hospitals (nosocomial) infections,**” “**difficult-to-treat infections**”, etc. are unacceptable

c. Under labeling the signal word is “**Warning.**”

- The precautionary labeling must read, “Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.”

d. The first aid statements must read: **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.
- Call poison control center or doctor for treatment advice.

e. Relocate the “**Physical or Chemical Hazards**” section so that it is immediately beneath the “**Environmental Hazards**” section of the product label.f. Under the “**Pesticide Disposal**” section on the product label, provide instructions for disposing of unused product.g. Revise the “**Physical or Chemical Harzards**” statements to read: “**Combustible**”. Do not use or store near heat or open flame.” Note the use of boldface type.h. Place the “**Storage and Disposal**” section of the product label in a text box for prominence.

- i. Under the "**Pesticide Storage**" section of the product label, add instructions that specify what to do if the product leaks or spills from the product container.

A copy of the applicable label, stamped "Accepted with comments" is attached for your records.

3. Submit three (3) copies of the final printed label prior to releasing this product for sale.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Branch I  
Antimicrobials Division (7510P)

Enclosure: (Stamped Labeling)

4/14

# CAVICIDE 1

- [Healthcare Disinfectant/Decontaminant Cleaner]
- [Dental Office Disinfectant/Decontaminant Cleaner]
- [Hospital Disinfectant/Decontaminant Cleaner]
- [Cleaner and Disinfectant in One]
- [School Disinfectant/Decontaminant Cleaner]
- [Salon Disinfectant/Decontaminant Cleaner]
- [Barber Disinfectant/Decontaminant Cleaner]
- [Spa Disinfectant/Decontaminant Cleaner]
- [Veterinary Disinfectant/Decontaminant Cleaner]
- [Clipper Blade Disinfectant/Decontaminant Cleaner]
- [Disinfectant/Decontaminant Cleaner]
- [1 Step Germicidal Spray]
- [One Step Germicidal Spray]
- [Surface Disinfectant/Decontaminant Cleaner]
- [[Kitchen\*\*\* and Bath Solution] [for Hard, Non-porous Surfaces]]
- [Cleans, Deodorizes and Kills Common Household Germs]

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAY 27 2011

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 46781-12

**[The descriptive terms below are to be used, as applicable, depending on the microorganisms listed in the Effective Against section.]**

[Bactericidal] [ Virucidal\*] [ Fungicidal] [ Tuberculocidal]

**ACTIVE INGREDIENTS:**

Didecyldimethylammonium chloride .....	0.76%
Ethanol .....	7.5%
Isopropanol .....	15.0%
<b>INERT INGREDIENTS:</b> .....	<b>76.74%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

## KEEP OUT OF REACH OF CHILDREN WARNING

[See other panel for additional precautionary statements.]

EPA Reg. No. 46781-XX  
EPA Est. No. 46781-MI-1 [ 000312-WI-001] [ 000312-WI-003] [ 51435-WI-004]

Reorder No. XXXXXX

Net Contents: x [[Gallon] [gal]] [[Ounce] [oz]] [[Fluid Ounce] [fl. oz]] / x [[Liter] [L]] [[Milliliters] [mL]] (Net Weight x lbs. / x kg.)

**THE INFORMATION IN THIS BOX IS NOT PART OF THE LABELING**  
Statements in brackets, [ ], are optional or instructional. Sequence of statements is optional unless specified in 40 CFR 156.10. Capitalizing, pluralizing, singularizing, bolding, italicizing and abbreviating are variable unless specified in 40 CFR. Lists of uses and use sites may be used partially or in their entirety.

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[CaviCide 1 is available in the following packaging [configurations]:

- o 4 gallons/CS
- o 48 – 2 oz bottles/CS
- o 12 – 8 oz bottles/CS
- o 12 – 24 oz bottles/CS
- o 2 – 2.5 gallons/CS
- o 1 – 55 gallon drum/CS
- o 1 - 350 gallon transport tote]

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Fungicide, and Rodenticide Act as  
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registered under EPA Reg. No. 46781-12

[Manufactured By:] Metrex Research  
 [Packed For:] 28210 Wick Road  
 [Distributed By:] Romulus, MI 48174  
 [Sold By:]

[For product or technical information, contact Metrex at 800-841-1428 or visit our website at [www.metrex.com](http://www.metrex.com).]

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**WARNING** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear appropriate protective eyewear such as goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. [See other panel for additional precautionary statements.]

Physical or Chemical Hazards: Combustible. Do not use or store near heat or open flame.

**[The following Environmental Hazards statement is to be included only on labeling of containers that are 5 gallons and larger.]**

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.

**FIRST AID**

**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. Call a poison control center or doctor for treatment advice.

For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at 1-800-424-9300. For ALL other inquiries about this product, call Metrex Customer Service at 1-800-841-1428, Monday through Friday, between 6 a.m. and 4 p.m. Pacific Time.

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

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[This product has demonstrated effectiveness against the following organisms (with a 1 minute contact time):

**EFFECTIVE AGAINST**

- [*Mycobacterium tuberculosis* var: bovis (BCG)]
- [*Staphylococcus aureus*] [ATCC 6538]
- [*Pseudomonas aeruginosa*] [ATCC 15442]
- [*Salmonella enterica*] [ATCC 10708]
- [*Trichophyton mentagrophytes*] [ATCC 9533]
- [*Candida albicans*] [ATCC 10231]
- [*Acinetobacter baumannii*] [ATCC 19606]
- [Multi-drug resistant [MDR] *Acinetobacter baumannii*] [ATCC BAA-1605]
- [*Klebsiella pneumoniae*] [ATCC 4352]
- [*Bordetella pertussis*] [ATCC BAA-589]
- [Methicillin Resistant *Staphylococcus aureus* (MRSA)] [ATCC 33592]
- [Methicillin Resistant *Staphylococcus epidermidis* (MRSE)] [ATCC 51625]
- [Vancomycin Resistant *Enterococcus faecalis* (VRE)] [ATCC 51299]
- [*Staphylococcus aureus* with reduced susceptibility to vancomycin] [ATCC 700699]
- [Vancomycin Intermediate *Staphylococcus aureus*] [VISA] [ATCC 700699]
- [ESBL *Escherichia coli*] [ESBL *E. coli*] [ATCC BAA-196]
- [Hepatitis B Virus (HBV)\*]
- [Hepatitis C Virus (HCV)\*]
- [Herpes Simplex Virus Types 1 and 2\*]
- [Herpes Simplex Virus Type 1\*] [ATCC VR-733]
- [Herpes Simplex Virus Type 2\*] [ATCC VR-734]
- [Human Immunodeficiency Virus (HIV-1)\*]
- [Human Coronavirus (not associated with Severe Acute Respiratory Syndrome or SARS)\*] [ATCC VR-740]
- [Feline Calicivirus (surrogate for Norwalk and Norwalk-like viruses)\*] [Norovirus\*] [Norwalk Virus\*] [Norwalk-like virus\*] [Feline Calicivirus\*] [ATCC VR-782]
- [Rotavirus\*] [ATCC VR-2018]
- [Influenza A, H3N2 Virus\*]
- [Adenovirus II<sup>1</sup>\*] [ATCC VR-846]

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<sup>1</sup> This product has demonstrated effectiveness against Adenovirus II with a 3 minute contact time]

[This product has demonstrated effectiveness against Influenza A virus and is expected to inactivate all influenza A viruses including the Pandemic 2009 H1N1 Influenza A Virus.]

[Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. This product is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A tested and listed on this label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).]

[Kills Pandemic 2009 H1N1 Influenza A virus.]

[Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).]

**DESCRIPTION**

CaviCide 1 is a multi-purpose disinfectant/decontaminant cleaner for use on hard, non-porous inanimate surfaces.

Recommended for use in [health care settings such as [hospitals] [hospital operating rooms] [emergency departments] [emergency medical settings] [medical related facilities] [ambulatory surgical centers]

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[ambulatory surgery centers (ASC), [site Science Laboratories] [surgical center] [surgery centers] [surgical suites] [out-patient surgical centers] [SC]] [endo suites] [endoscopy centers] [C] [ites] [GI centers] [sterile processing departments] [central services department] [isolation areas] [neonatal units] [anesthesia] [Cath labs] [CCU] [ICU] [Central Supply] [laboratories] [clinics] [patient care areas] [nursing homes] [ophthalmic offices] [home health care] [hospices] [isolation areas] [laboratory] [laundry rooms] [Neonatal Intensive Care Units (NICU)] [Newborn nursery] [nursing homes] [ophthalmic and optometric facilities] [eye surgical centers] [Orthopedics] [out-patient surgical centers] [patient care areas] [pediatrics] [Pediatric Intensive Care Units (PICU)] [physical therapy] [Physicians' offices] [Radiology] [Recovery rooms] [Rehabilitation] [Respiratory Therapy] [Schools] [Transport vehicles] [buses] [cruise ships] [drug preparation rooms] [pharmacy clean rooms] [clean rooms] [X-Ray] [dialysis centers] [donation centers (blood, plasma, semen, milk, aphaeresis)] [dental offices] [dental operatories] [animal care facilities] [veterinary facilities] [ kennels] [animal dental operatory] [beauty salons] [salon settings] [manicure salons] [skin care salons] [tattoo parlors] [barber shops] [tanning salons] [emergency vehicles] [ambulances] [emergency medical settings] [Emergency Rooms] [ER] [police and fire vehicles] [health club facilities] [kitchens\*\*\*] [food preparation areas\*\*\*] [bathrooms] [daycare centers] [correctional facilities] [prisoner detention facilities] [jails] [prisons] [morgues] [prisoner lockups] [mortuaries] [cadaver processing areas] [funeral homes] [laundry rooms] [pet areas] and other critical care areas where control of cross contamination between treated surfaces is important. [Use on hard non-porous surfaces and equipment listed on this label made of stainless steel, plastic, Formica, and glass.]

**[Listing of at least one of the following equipment/instruments/hard, non-porous surfaces on production labels are required. The last equipment/instrument/hard, non-porous surface listed will be preceded with the word "and".]**

CaviCide 1 will effectively clean and disinfect, when used as directed, such items as [interior and exterior surfaces of infant incubators, bassinets, cribs and warmers] [infant/child care equipment surfaces] [diaper changing stations] [baby cribs] [diaper pails] [toys] [high chairs] [isolettes] [lab equipment and surfaces] [oxygen hoods] [diaper pails] [operating room tables and lights] [slit lamps] [laboratory equipment and surfaces] [physical therapy (PT) equipment surfaces] [oxygen hoods] [exterior surfaces of dialysis machines] [patient monitoring equipment] [patient support equipment] [patient delivery equipment] [physical therapy (PT) equipment surfaces] [stretchers] [wheelchairs] [walkers] [stethoscopes] [spine back boards] [KED] [Kendrick Extrication Device] [ambulance equipment surfaces] [eye glasses (do not use on contact lenses)] [loupes] [bed railings] [stethoscopes] [hard, non-porous exterior surfaces of ultrasound transducers or probes] [exam tables] [gurneys] [stretchers] [defibrillators] [resuscitators] [IV poles] [dental unit instrument trays] [operatory light switches] [exterior surfaces of amalgamators and dental curing lights] [exterior surfaces of anesthesia machines and respiratory therapy equipment] [exterior surfaces of diagnostic equipment] [SilkPeel™ with DermallInfusion™] [workstations] [dental countertops] [dental chairs] [non-porous dental impression material] [dental impression trays] [dental equipment tubing] [dental equipment lines] [exterior surfaces of dental operatories] [digital x-ray sensors] [digital phosphor plates] [dental curing lights] [dental intra-oral cameras] [exterior surfaces of endodontic equipment, such as apex locators, pulp testers and motors] [stools] [counters] [dental unit instrument trays] [endodontic equipment such as apex locators] [animal cages] [Veterinary care surfaces] [nail/hair care implements] [tanning beds] [hair dryers] [hair clippers] [shears] [dental impression material] [razors] [hair cutting implements] [clipper blades] [salon surfaces] [scissors] [combs] [brushes] [manicure tables] [manicure implements] [washable nail files] [hair rollers] [kennels] [animal cages] [non-food contact surfaces] [exterior surfaces of refrigerator units\*\*\*] [exterior surfaces of appliances such as refrigerators, microwaves, food processors and stoves\*\*\*] [cafeteria trays\*\*\*] [dining tables\*\*\*] [sinks\*\*\*] [counter tops\*\*\*] [food service countertops] [food serving trays] [vanity tops\*\*\*] [tiles\*\*\*] [floors] [walls] [handrails] [door knobs] [bed railings] [tables] [chairs] [faucets] [bathroom fixtures] [exterior toilet surfaces] [bathing units] [bathtubs] [shower stalls] [cabinets] [shampoo bowls] [garbage cans] [computers] [keyboards] [computer mouse] [fax machines] [filing cabinets] [filing doors] [filing handles] [headsets] [workstations] [trash cans] [carts] [chairs] [baskets] [grocery carts] [shopping carts] [weight-lifting surfaces] [drained whirlpool tank surfaces] [cabinets] [lights] [telephones] which are made of plastic (i.e., polycarbonate, polypropylene, polyvinylchloride, polystyrene), and use sites listed on this label consisting of non-porous vinyl, stainless steel, painted surfaces, Plexiglas®, Formica® and glass.] [Bathroom(s) or public restrooms:] [Basins] [Bathtubs]

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ACCEPTED  
EPA COMMENTS  
EPA Letter Dated:

MAY 27 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended by the... 46781-12

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[bathroom fixtures] [cabinets] [countertops] [doorknobs] [faucets] [handles] [latches] [rampers] [handrails] [shower stalls] [showers] [sinks] [glazed walls] [glazed tiles] [toilet] [handle] [rim] [seats] [tank] [and other exterior surfaces of] [urinals] [exterior surfaces of] and vanity tops] [and other non-porous surfaces listed on this label.] [Transport vehicles] [school busses] [fire trucks] [police cars] [hard non-porous surfaces of vehicles including steering wheel, hard plastic or metal flooring, seats, and walls].

**DIRECTIONS FOR USE**

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

**FOR PRECLEANING NON-INSTRUMENT SURFACES PRIOR TO DISINFECTION:**

Remove gross filth and heavy soil loads. Spray CaviCide 1 directly onto surface. Allow to remain visibly wet for 30 seconds. Wipe surface using a towel.

**FOR PRECLEANING INSTRUMENTS PRIOR TO DISINFECTION:**

Remove gross filth and heavy soil loads.

**[Listing of at least one of the following precleaning instructions, A – F, is required.]**

**[A]**

**[For use as a precleaning decontaminant immersion solution:** Place instruments in a container with a sufficient amount of CaviCide 1 so as to allow for complete submersion, cover and immerse for 5 minutes at room temperature (68 °F/20 °C). Remove and rinse instruments. Follow with appropriate cleaning and disinfection process. Discard solution after each use.]

**[B]**

**[For use as a precleaning decontaminant spray:** Place instruments in a container. Spray CaviCide 1 so as to thoroughly drench all instrument surfaces and allow to remain visibly wet for 30 seconds. Remove and rinse instruments. Follow with appropriate cleaning and disinfection process.]

**[C]**

**[For use as an ultrasonic precleaning solution:** Thoroughly rinse instruments under running water to remove visible gross debris. Add 1 ounce CaviCide 1 per liter of water to ultrasonic unit. Immerse instruments in solution and activate ultrasonic unit for 5 minutes or longer, if necessary. Remove and rinse instruments. Follow with appropriate cleaning and disinfection process. Discard solution after each use.]

**[D]**

**[For use as a manual precleaner:** Thoroughly rinse instruments under running water to remove visible gross debris. Place instruments in a container with 1 ounce CaviCide 1 per liter of water. Scrub instruments while submerged for 30 seconds using a stiff bristle brush until visibly clean. Remove and rinse instruments. Follow with appropriate cleaning and disinfection process. Discard solution after each use.]

**[E]**

**[For precleaning hair clippers and electric shears:** While clipper/electric shear is running, hold it in the downward position and spray CaviCide 1 to thoroughly wet the blades. Allow to remain wet for 30 seconds. Avoid spraying on the clipper case or dripping into the clipper housing. Rinse clipper/electric shears and follow with appropriate cleaning/lubricating and disinfection process.]

**[F]**

**[For precleaning salon implements and shears:** Spray with CaviCide 1 to thoroughly wet the implement/shear. Allow to remain wet for 30 seconds. Wipe away visible debris using a soft bristle brush or cloth. Rinse implement/shear and follow with appropriate cleaning/lubricating and disinfection process.]

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ACCEPTED  
WITH COMMENTS  
EPA Letter Dated:

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1/4/2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 46741-18

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**FOR USE AS A DISINFECTANT ON NON-INSTRUMENT SURFACES:**

Spray CaviCide 1 directly onto pre-cleaned surface, thoroughly wetting area to be disinfected. Allow surface to remain visibly wet for 1 minute at room temperature (68 °F/20 °C).

Wipe surface using a towel or allow to air dry.

**[The following statement is to be included on production labels when food contact areas or surfaces are listed.**

[\*\*\*A thorough rinse with potable water is required for surfaces in direct contact with food.]

**FOR USE AS A DISINFECTANT ON PRECLEANED NON-CRITICAL MEDICAL DEVICES<sup>2</sup>, INSTRUMENTS AND IMPLEMENTS:**

Instruments must be thoroughly cleaned to remove excess organic debris, rinsed and dried. Thoroughly clean and rinse lumens of hollow instruments. Spray CaviCide 1 directly onto pre-cleaned surface, thoroughly wetting area to be disinfected. Allow surface to remain visibly wet for 1 minute at room temperature (68 °F/20 °C).

Remove and rinse instruments. Wipe dry prior to use

<sup>2</sup> Non-critical medical devices are items that come in contact only with intact skin.

Note: Critical and semi-critical devices must be followed by appropriate terminal sterilization/high-level disinfection process.

**[The following instruction is to be included when hard, non-porous exterior surfaces of ultrasound transducers or probes are listed as a use site.]**

[To disinfect external surfaces of ultrasound transducers: Pre-clean ultrasound gel from external transducer to be disinfected [by using a clean wash cloth]. Spray CaviCide 1 directly onto pre-cleaned surface, thoroughly wetting area to be disinfected. Allow surface to remain visibly wet for 1 minute at 68 °F/20 °C.]

**[The following HIV / HBV / HCV instructions are to be included on production labels when claims against HIV, HBV or HCV are listed.]**

CAVICIDE 1 EFFECTIVELY KILLS [HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1),] [HEPATITIS B VIRUS (HBV),] [[AND] HEPATITIS C VIRUS (HCV)] ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS 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 CAN BE ASSOCIATED WITH THE POTENTIAL FOR TRANSMISSION OF [HIV-1,] [HBV,] [[AND] [HCV].

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST [HIV-1,] [HBV,] [[AND] HCV] OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUID:**

**Personal Protection:** Wear appropriate barrier protection such as protective gloves, gowns, masks and eye coverings.

**Cleaning Procedure:** Blood and other bodily fluids must be thoroughly cleaned from surfaces and objects before disinfection with CaviCide 1.

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CFR. Lists of uses and use sites may be used partially or in their entirety. Dated: 1/4/2011

MAY 27 2011

1/4/2011

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 4698172

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**Contact Time:** A contact time ( ) minute is required for HIV-1, HBV and HC( This contact time will not be sufficient for some of the organisms listed on the label. Refer to label for contact times against other organisms.

**Infectious Materials Disposal:** Cleaning materials used that may contain blood or other bodily fluids must be autoclaved and/or disposed of in accordance with local regulations for infectious materials disposal.

**[The following paragraph will be included in its entirety when the production label references health care use.]**

[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. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization/high-level disinfection.]

**CLEANING:** [cleaning directions and claims are grouped on this page]

**DIRECTIONS FOR USE:**

[CLEANING] [and] [DEODORIZING]: [Wipe surface until visibly clean. Let air dry.]

**CLAIMS:**

[An effective method to clean against odor-causing organisms on hard, non-porous surfaces listed on this label].

[Cleans]

[Cleans and disinfects] [on the go]

[Leaves bathroom fresh and clean in [just] 1 minute]

[Leaves [bathroom] [office] clean [and disinfected] [and smelling fresh]

[Multi-purpose cleaner]

[Perfect for cleaning [and disinfecting] around the toilet.]

[This product is]

[Quick] [and easy] [and convenient] [way to clean] [and disinfect]

[Quick and easy way to clean [and disinfect] [bathroom] [or exterior toilet surfaces] [hard, non-porous surfaces]]

[So] [surfaces are more than [just] [clean] [they're] [disinfected]

[Kills] [germs] [or bacteria] [while it cleans] [that cause odor]

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

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**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**Pesticide Storage:** Store in a cool place.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of according to applicable Federal, State, or local procedures.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container.

**[Choose one of the following recycling statements.]**

**[a]**

[Offer for recycling, if available.]

**[b]**

[Triple rinse. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.]

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**OPTIONAL CLAIMS AND DESCRIPTORS**

- [1 minute kill time]
- [1 minute contact time]
- [Always ready-to-use]
- [An effective method to deodorize and disinfect against odor-causing organisms on hard non-porous surfaces]
- [An effective way to disinfect hard, non-porous environmental surfaces]
- [Antibacterial]
- [Antimicrobial]
- [Antibacterial][Antimicrobial]
- [A Metrex Research brand]
- [A Metrex® brand]
  
- [Bleach-free formula]
- [Does not contain bleach]
  
- [Can help reduce the risk of cross contamination on treated surfaces]
  
- [Clean and disinfect hard, non-porous surfaces easily]
- [Convenient]
- [Convenient, quick and easy cleaning all around [the office] [business] [workplace]]
  
- [Use to] [Deodorize hard, non-porous surfaces]
- [Deodorizes, and kills common household germs+]
- [Disinfect external surfaces of ultrasound transducers]
- [Disinfects headsets and telephones]
- [Disinfect pre-cleaned surfaces]
- [Intermediate Level Disinfectant]
- [Disinfects and deodorizes in 1 minute]
- [Disinfects hard non-porous environmental surfaces listed on this label [Use to]]
- [Disinfects hard, non-porous surfaces in 1 minute]
- [[Disinfects] hard surfaces [that people touch]]
- [Disinfects [health club equipment][treadmill handles][elliptical handles][exercise bike handles][weight benches]]
- [Disinfects [in [just] one [1] minute]
- [Does not include nonylphenol ethoxylates]
- [Does not include alkylphenol ethoxylates]
- [Easy-to-use]
- [Easy [and convenient] way to disinfect [bathrooms][office][nursing stations][high touch] hard, non-porous surfaces everyday]
- [Effective against flu virus]
- [Effective against bathroom bacteria and viruses\* [use at least two bacteria and two viruses from this list:]  
     [ESBL *E. coli*] [*Salmonella enterica*] [*Staphylococcus aureus*] [Herpes Simplex Virus Type 2] [Hepatitis B Virus (HBV)]  
     [Hepatitis C Virus (HCV)] [Adenovirus II] [Influenza A, H3N2 Virus]
- [Effective daily cleaner]
- [Effectively disinfects against MRSA]
- [Effectively disinfects against Norovirus]
- [Eliminates odors]
- [Fast [convenient] [portable] way to disinfect hard non-porous surfaces]
- [Fast acting cleaner and disinfectant]
- [Faster Kill Time]

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAY 27 2011

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 46781-12

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- [Saves Time]
- [Faster Contact Times]
- [Kills TB in 1 Minute]
- [Faster Contact Times]
- [For daily use]
- [For use in critical care areas [where control of [the hazards of] cross contamination is of prime importance]
- [Fragrance Free]
- [Free of fragrance]
- [Fresh smell] [Helps prevent cross contamination on treated surfaces]
- [Hospital [disinfectant] [disinfection] [use only when hospital use sites on label]
- [Hospital grade]
- [Just] [Simply] [spray and wipe] [exterior toilet surface] [bathroom germs] [away]
- [Kills bacteria in 1 minute]
- [Kills viruses in 1 minute]
- [Kills [Norovirus] [Norwalk virus]]
- [Kills TB in 1 minute]
- [Fungicidal in 1 minute]
- [Kills][Effective against] [MRSA] [Methicillin Resistant *Staphylococcus aureus*]
- [Kills odor causing bacteria]
- [Kills bacteria in 1 minute]
- [Kills viruses in 1 minute]
- [Kills TB in 1 minute]
- [Kills the flu virus Influenza A]
- [Kills Human Coronavirus]
- [Kills Norovirus [Norwalk virus]]
- [Kills HIV-1]
- [Kills HCV]
- [Kills HBV]
- [Kills Rotavirus]
- [Kills [or eliminates] 99.9% of bacteria]
- [Kills [or eliminates] 99.9% of viruses\*]
- [Kills [or eliminates] 99.9% of fungus]
- [Kills Adenovirus II]
- [No mixing]

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAY 27 2011

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registered under EPA Reg. No. 46781-13

[Leaves [bathroom] [office] disinfected [and smelling fresh]

- [No fragrance added]
- [No measuring]
- [No mixing]
- [Odor [elimination] [neutralization]
- [One step cleaner and disinfectant]

- [Perfect for disinfecting exterior toilet surfaces – or – around the exterior toilet surface]
- [Portable]
- [Premixed] [Premeasured] [Fast] [Easy] [and convenient] way to disinfect]
- [Ready-to-Use]
- [Reduces] [risk of cross contamination] [on hard non-porous surfaces]
- [Reduces] [packaging] waste [by X%] [when compared to regular canister or bucket or pail]
- [Requires no mixing or measuring and are ready-to-use]
- [Sample]

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[Use to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization / high-level disinfection]  
[Wipes out] [Kills] [common] [household] [bacteria] [viruses\*] [germs\*]  
[Wipes out] [Kills] [Eliminates] [list organisms] in [just] [1 minute]  
[Wipes out] [Kills] [the] flu virus\* (Influenza A, H3N2 Virus)  
[Wipes out] [Kills] [viruses\* and bacteria] [including the flu virus\* (Influenza A, H3N2 Virus\*)]  
[With a bleach free formula]

Note the following claims can be used only for 6 months:

[Better] [Improved] [New] [!]  
[Better] [Improved] [New] [New and improved] [formula] [packaging]  
[New and improved]  
[New Claims]  
[New Claims and Faster Contact Times]  
[New Kill Claims]  
[New Claims – Kills TB in 1 Minute]  
[New – Saves Time]  
[New] – [Kills TB in 1 Minute]

**ACCEPTED**  
**with COMMENTS**  
EPA Letter Dated:

MAY 27 2011

Under the Federal Insecticide,  
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registered under EPA Reg. No. 46281-12

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[Note – the chart shown below all be considered optional – e.g. includ in a bracket]

[When used as directed, CaviCide 1 provides effective Tuberculocidal\*\* / Virucidal\* / Bactericidal / Fungicidal activity against the following organisms:

<b>**Tuberculocidal</b>	<b>Associated with:</b>
<i>Mycobacterium tuberculosis</i> var: bovis (BCG)	Tuberculosis
<b>Bacteria</b>	
<i>Staphylococcus aureus</i>	Infections such as Meningitis and Carbuncles
<i>Pseudomonas aeruginosa</i>	Numerous hospital infections
<i>Salmonella enterica</i>	Food poisoning and gastroenteritis
<i>Acinetobacter baumannii</i>	Blood stream, urinary tract infections, pneumonia
<i>Klebsiella pneumonia</i>	Wound and urinary tract infections
<i>Bordatella pertussis</i>	Pertussis or whooping cough
Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)	Difficult-to-treat infections in humans
Methicillin Resistant <i>Staphylococcus epidermidis</i> (MRSE)	Difficult-to-treat infections in humans
Vancomycin Resistant <i>Enterococcus faecalis</i> (VRE)	Hospital (nosocomial) infections
Vancomycin Intermediate <i>Staphylococcus aureus</i> (VISA)	Wound and invasive medical device infections
ESBL <i>Escherichia coli</i>	Food poisoning, urinary and wound infections
<b>*Viruses</b>	
Hepatitis B Virus (HBV)*	Hepatitis B infection related illnesses
Hepatitis C Virus (HCV)*	Hepatitis C infection related illnesses
Herpes Simplex Virus Type 1*	Fever blisters
Herpes Simplex Virus Type 2*	Genital herpes
Human Immunodeficiency Virus (HIV-1)*	AIDS
Human Coronavirus (not associated with Severe Acute Respiratory Syndrome or SARS)*	Upper respiratory and gastrointestinal tract infections
Norwalk Virus*	Norwalk Virus
Rotavirus*	Gastrointestinal illness
Influenza A, H3N2 Virus*	Common flu
Adenovirus Type II* (3 minute contact time)	Upper respiratory tract infections, Tonsillitis, Conjunctivitis
<b>Fungus/Yeast</b>	
<i>Trichophyton mentagrophytes</i>	Athletes Foot Fungus
<i>Candida albicans</i>	Diaper rash, thrush, vaginitis, dermatitis

]

**ACCEPTED**

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