

VIROCID[®]

CONCENTRATED BROAD SPECTRUM DISINFECTANT

Active ingredients:
 ALKYL-DIMETHYL AMMONIUM CHLORIDE (50% C14; 40% C12; 10% C16)
 DIDECYL DIMETHYL AMMONIUM CHLORIDE
 GLUTARALDEHYDE
Inert ingredients
 17.060 % (by wt)
 7.800 %
 10.725 %
 64.415 %
 100.000 %

KEEP OUT OF REACH OF CHILDREN DANGER

VIROCID is effective against:

BACTERIA	Dilution
<i>Salmonella Choleraesuis</i> (ATCC 10708) [*]	1:400 [*]
<i>Staphylococcus aureus</i> (ATCC 6531) [*]	1:400 [*]
<i>Pseudomonas aeruginosa</i> (ATCC 15442) [*]	1:400 [*]
<i>Mycoplasma hyopneumoniae</i> (ATCC 25347) [*]	1:400 ^{**}
<i>Streptococcus suis</i> (ATCC 43763) [*]	1:400 [*]
<i>Escherichia coli</i> (ATCC 11229) [*]	1:400 [*]
<i>Salmonella choleraesuis subsp. Choleraesuis serotype typhisuis</i> (ATCC 8237) [*]	1:400 [*]
FUNGUS (for antimicrobial surface)	1:400
<i>Trichophyton mentenii</i> (ATCC 3633)	1:200
<i>Aspergillus fumigatus</i> (ATCC 9642)	1:400
PARVAVIRUS (for antimicrobial surface)	1:400 [*]
<i>Porcine Respiratory and Reproductive Syndrome Virus (PRRS, Anko Laboratories Strain)[*]</i>	1:400 [*]
<i>Avian Influenza (Turkey/Wis96-Strain)[*]</i>	1:400 [*]
<i>Avian Rotavirus (Spain Strain)[*]</i>	1:250 [*]
<i>Pseudorabies Virus (American Bio Research strain)[*]</i>	1:400 [*]
<i>Marek's Disease Virus (Spain Strain)[*]</i>	1:400 [*]
<i>Newcastle Disease Virus (Spain Strain)[*]</i>	1:400 [*]
Algae and slime forming bacteria in recirculating water cooling systems and evaporative condensers	25-50 ppm

^{*}In the presence of 400 ppm AOAC synthetic hard water and 5% salt / ^{**}In the presence of 400 ppm AOAC synthetic hard water and 25% salt load

APPLICATION:

Disinfection of non-food surfaces, farm, animal, and poultry housing facilities and equipment:

1. Farm Equipment and animal housing buildings (poultry & turkey grow-out houses; laying houses; swine production and housing, barns and large animal buildings)
2. Hatcheries, Selters, and chick processing facilities
3. Food processing plants (slaughterhouses)
4. Trucks and other vehicles
5. Veterinary hospitals

Sanitizing hatchery rooms, incubators and hatcheries, poultry houses and livestock buildings by fogging.

Control of algae and slime forming bacteria in recirculating water cooling systems and evaporative condensers.

Preparation table:

dilution	Preparation method
1:400	1/3 fluid ounce per gallon of water
1:256	1/2 fluid ounce per gallon of water
1:200	2/3 fluid ounce per gallon of water

EPA Reg. No.: 71355-1
 EPA Est. No.: 71355-BEL-001
 BATCH No.: see top / bottom
 EXPIRY DATE: see top / bottom
 Net contents: see top / bottom

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STORAGE, PESTICIDE, AND CONTAINER DISPOSAL:

Do not contaminate water, food, or feed by storage and disposal. Store in a cool, dry place in tightly closed container away from children. Avoid temperatures below 23°F and above 113°F. Disposal of pesticide: 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 representatives at the nearest EPA Regional Office for guidance.

Disposal of container: Triple rinse. Then offer for recycling or puncture and dispose in a sanitary landfill. Disposal by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PRECAUTIONARY STATEMENTS:

Hazard to Humans and Domestic Animals
DANGER, Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear protective eyewear, protective clothing, and rubber gloves. Harmful if inhaled. Avoid breathing vapor. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

FIRST AID STATEMENTS

Have product container with you when calling the poison control center, doctor, or going for medical treatment.	
IF IN EYES	Hold eyelids 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 ON SKIN OR CLOTHING	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 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.

LIMITED WARRANTY AND DISCLAIMER:

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is a reasonable fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible expert's evaluation of reasonable tests of effectiveness and of toxicity to laboratory animals. Tests have not been made on all wastes or in all states or under all conditions. The manufacturer neither makes nor intends, nor does it authorize any agent or representative to make, any other warranties, expressed or implied, and it expressly excludes and disclaims all implied warranties of merchantability and fitness for particular purpose. This warranty does not extend to, and the buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings or cautions. Buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, losses, damages, or injuries resulting from the use or handling of this product, whether or not such liability is based in the contract, negligence, strict liability in tort of otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall manufacturer or seller be liable for special, indirect or consequential damages resulting from the use or handling of this product.

DIRECTIONS FOR USE:

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

Disinfection of non-food surfaces, farm, animal, and poultry housing facilities and equipment:

1. Farm equipment and animal housing buildings (poultry & turkey grow-out houses; laying houses; swine production and housing, barns and large animal buildings):
 For disinfection of hard, non-porous surfaces: clean, wash and scrub with water. Saturate all surfaces with the appropriate disinfection solution* with a coarse spray, mop, or sponge. All surfaces must remain thoroughly wet for 10 minutes. Allow to air dry. A potable water rinse is required for all surfaces that come into contact with food.
2. Hatcheries:
 Remove all animals from the area. Thoroughly clean all surfaces (hatcheries, setters, trays, carts, boxes, chick boxes, cages) with soap or detergent, then rinse with water. Saturate all surfaces with the appropriate disinfection solution* by using a coarse spray, mop, or sponge. Surfaces must remain wet for 10 minutes. Do not hose animals or employ equipment until surfaces have been absorbed or dried. Fresh disinfection solution should be made daily or if visibly soiled.
3. Food processing plants (including Chicken Processing Facilities):
 Before using this product, all food products and packaging materials must be removed from the room or carefully protected. Thoroughly clean all surfaces with soap or detergent, then rinse with water. Disinfect hard, non-porous surfaces by applying the appropriate disinfection solution* with a coarse spray, mop, or sponge. All surfaces must remain thoroughly wet for 10 minutes. Allow to air dry. A potable water rinse is required for all surfaces that come into contact with food.
4. Trucks and other vehicles:
 Clean all vehicles including mats, cabs, cabs, and wheels with high pressure water. Use the appropriate disinfection solution* to treat all vehicles. Leave all treated surfaces exposed to disinfection solution wet for 10 minutes. Allow to air dry.
5. Veterinary hospitals:
 For disinfection of the following hard non-porous surfaces: floors, walls, ceilings, counters, cages, feeding/drinking equipment, and hand/washing equipment. Remove animals and feed from the premises. Thoroughly clean all surfaces with soap or detergent, then rinse with water. Saturate surfaces with the appropriate disinfection solution* by using a coarse spray, mop, or sponge. Surfaces must remain wet for 10 minutes. Immerse all leashes, muzzles, ropes or other types of equipment used to restrain or handle animals as well as shovels, scrapers, and forks used to remove manure and litter. Do not hose livestock or employ equipment until surfaces have been absorbed or dried. Thoroughly scrub treated feeding and watering equipment with soap or detergent, and rinse with potable water before reuse. Fresh disinfection solution should be made daily or if visibly soiled.

Sanitizing hatchery rooms, incubators and hatcheries, poultry houses and livestock buildings by fogging

- A. Hatchery rooms:
 Close room off so fog is confined to room to be treated. Prepare a stock solution of one (1) part VIROCID to four (4) parts water (25 fluid ounce VIROCID to 100 fluid ounce water). Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, fog 125 fluid ounces for each 1000 cubic yard. Do not allow people to breathe or contact the fog or to enter the room until the fog has completely settled or exhausted. Normally this is 1-4 hours in this environment. **Note:** The generated fog is very irritating to eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone until the fog has completely settled, normally 1-4 hours after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a self contained respirator approved by NIOSH/MSHA, goggles, long shirt, sleeves and pants.
- B. Incubators and hatcheries:
 Prepare a stock solution of one (1) part VIROCID to four (4) parts water. Fog 3 ounces for 100 cubic feet of this into-sellers and hatcheries immediately after transfer. Repeat daily. Discontinue hatchery treatments approximately 24 hours before pulling the hatch. Do not allow people to contact or breathe this fog and do not enter machines until the fog has settled (30-60 minutes after fogging is completed) to do this, install permanent fogging nozzles in setters and hatcheries and use an air compressor to dispense the sanitizing solution as a fog.
- C. Poultry houses and livestock buildings:
 The house should be disinfected and cleaned as in 1. A to F under "Disinfection of non-food surfaces, farm, animal, and poultry housing facilities and equipment", double check to be sure all doors, poultry, livestock and sets have been sealed the building. Close all windows, doors, curtains, etc. making the houses as closed as light as possible. Prepare a stock solution of one (1) part VIROCID to four (4) parts water (25 fluid ounce VIROCID to 100 fluid ounce water). Insert the nozzle of the fogging device through a suitable opening in the room. With the setting on maximum output, fog 125 fluid ounces for each 1000 cubic yard. The fogger itself may be placed just inside the door of the building to be treated, or the nozzle of the fogger may be inserted through a suitable opening in the door or building. The opening should be just large enough to accommodate the nozzle. After fogging, the building should be kept closed for twenty-four hours. After twenty-four hours, the fog should have settled and the house can now be opened and aired. The house should be opened for a minimum of twenty-four hours before it is repopulated with poultry or livestock.

Note: The generated fog is very irritating to eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone until the fog has completely settled, normally 1-4 hours after the actual fogging. If the building or room must be entered, then the individuals entering the building or room must wear a self contained respirator approved by NIOSH/MSHA, goggles, long shirt, sleeves and pants. If feeders and waterers were self contained during the treatment, or were not adequately covered to prevent contact with treatment, they should be washed with detergent and water before use for poultry or livestock.

Control of slime forming bacteria in cooling water systems

- VIROCID should be added to the system directly and not mixed with any other chemicals or additives; it should be added at a point where uniform mixing and even distribution will occur.
- Severely fouled systems should be chemically and/or manually cleaned before adding VIROCID treatment. If Algacide time growth is present, proceed with the manual cleaning. Add 25 fluid ounces of VIROCID per 100 gallons of water (50ppm) in the system. Repeat treatment until algacide time growth is absent. **Note:** They algae control is even treatment, apply 1.25 fluid ounces of VIROCID per 100 gallons of water (25ppm) in the system every 7 days (weekly). Repeat treatment as needed to maintain algacide control.

*See table to determine the appropriate disinfection solution