

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

**CORROSIVE.** Causes irreversible eye damage. Harmful if inhaled. Avoid breathing spray mist. Harmful if absorbed through skin. Avoid contact with skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**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 eye. 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 a 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

**ENVIRONMENTAL HAZARDS:** 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.

**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. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

**GENERAL USE DIRECTIONS FOR CLEANING / DISINFECTING / DEODORIZING:** Not for use on living humans or animals. Do not use in combination with soap or any other product. Working solution should be freshly prepared, used only once, and then discarded; it may not be reused if reused, diluted, or soiled. Prepare the working solution by diluting 2 fl oz of this concentrate to 1 gallon (16 mL/L) with potable (drinking) water. Remove gross filth and heavy soil deposits from surfaces. Apply the working solution with a mop, sponge, cloth, or by spraying or soaking, making sure surfaces are thoroughly wetted. Allow surface(s) to air dry. Except for HIV-1 (see below), complete disinfection requires a minimum contact time of 10 minutes at about 20 °C (68 °F). Rinsing is not necessary unless surfaces are to be coated (waxed, polished, painted, etc.).

**AS A MILDEWSTAT:** Apply working solution to surfaces as directed, making sure they are thoroughly wetted. Allow to air dry. Repeat application weekly, or when growth reappears. **Mildewstatic:** Inhibits the growth of fungi (such as *Aspergillus niger*) that cause mold/mildew and their odors on hard, nonporous, inanimate surfaces, including walls, floors, and table tops.

**KILL HIV (AIDS Virus) ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings 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).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATING AGAINST HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:** PERSONAL PROTECTION - Appropriate barrier protection items such as disposable latex or vinyl gloves, gowns, face masks, or eye coverings must be worn during decontamination procedures and when cleaning/handling items soiled with blood/body fluids.



**MARCICIDE IV**

DISINFECTANT - CLEANER - DEODORIZER CONCENTRATE

• ONE STEP DOES IT ALL • EFFECTIVE AT 2 FL OZ /GALLON (1:64) DILUTION

FOR USE ON HARD NONPOROUS INANIMATE SURFACES IN/ON INDUSTRIAL, INSTITUTIONAL, COMMERCIAL, RESIDENTIAL, AND MEDICAL FACILITIES, EQUIPMENT, AND VEHICLES

Virucidal\* • Fungicidal • Bactericidal • Pseudomonocidal • Staphylocidal • Salmonellacidal  
Controls Mold/Mildew Fungi (Specific species/agents listed on side panel)

KILLS HIV-1 (AIDS virus) AND HERPES SIMPLEX TYPE 1 & TYPE 2 VIRUSES ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS.

**ACTIVE INGREDIENTS:**

Didecyl dimethyl ammonium chloride..... 2.43%  
n-Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>), dimethyl benzyl ammonium chloride..... 1.62%

**INERT INGREDIENTS:**..... 95.95%  
**TOTAL**..... 100.00%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

See side panel for additional precautionary statements.

EPA REG. NO. 10088-106-12204  
EPA EST. 10088-WI-1

NET CONTENTS: □ 1 □ 5 Gallon(s)

**M-34**

Sold By:

**MID-AMERICAN RESEARCH CHEM. CORP.**  
PO BOX 927 • COLUMBUS, NE 68602 • (402) 564-7104

**CLEANING PROCEDURE** - Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of this product as a disinfectant.

**CONTACT TIME** - Effective against HIV-1 in 4 minutes at room temperature (20 to 25 °C; 68 to 77 °F). A 10 minute contact time is required for all other viruses, bacteria, and fungi claimed on this labeling.

**DISPOSAL OF INFECTIOUS MATERIALS** - Blood/body fluids and other materials removed from or used to clean surfaces/objects should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

**FEATURES, CLAIMS, AND USES**

A labor-saving one-step concentrated multi-purpose antimicrobial/disinfectant/germicidal detergent/deodorizer/cleaner for use on hard, nonporous, inanimate surfaces. The combination of detergents and emulsifiers quickly cuts through and removes dirt, grease, oils, scum, and grime.

Virucidal, bactericidal, fungicidal, and mildewstatic at a 2 fl oz/gallon (16 mL/L; 1:64; 600 ppm active "quat") dilution in hard water (up to 400 ppm hardness calculated as CaCO<sub>3</sub>) in the presence of 5% organic soil (blood serum) load when tested by the appropriate AOAC or virucidal qualification method (modified to use hard water and organic soil load).

**FOR USE ON:** Most hard nonporous surfaces: glazed ceramic, elastomeric, metallic, and plastic surfaces; including glass, glazed porcelain, rubber, aluminum, copper, iron, stainless steel, steel, ABS, bakelite, enamel, polyester, polyethylene, polypropylene, and vinyl.

**RECOMMENDED FOR USE IN/ON:** Industrial, Institutional, Commercial, Residential, and Medical Facilities, Equipment, and Vehicles, such as hospitals, nursing homes, schools and colleges, veterinary clinics and animal life science laboratories, pet shops, kennels, breeding and grooming establishments, tack shops, hotels and motels, airports, and households; and on floors and walls. **Vehicle Disinfection Directions:** Pre-clean all vehicles including mats, crates, and wheels with high pressure water. Use 2 fl. oz. per gallon of water to treat all vehicles. Leave surfaces wet for 10 minutes. Allow surface(s) to air dry.

**FOR DISINFECTING ANIMAL LIFE SCIENCE LABORATORIES, VETERINARY CLINICS, PET SHOPS, KENNELS, BREEDING & GROOMING ESTABLISHMENTS, AND FARMS:** Remove all animals and feeds from premises, vehicles, crates, and other enclosures to be treated. Remove all litter, droppings, and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with detergent and rinse with water. Saturate all surfaces with the recommended disinfecting solution for at least 10 minutes. Allow surface(s) to air dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. After use, ventilate buildings, coops, cars, boats, and other closed spaces. Do not

house animals, or employ equipment until treatment has been absorbed or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with detergent, and rinse with potable (drinking) water before reuse.

**Virucidal\* against:** Andenovirus Type 4; Canine distemper; Feline leukemia; Feline panleukopenia; Feline picornavirus; Herpes simplex Type 1; Herpes simplex Type 2; HIV-1(AIDS virus); Human Immunodeficiency virus Type 1; a retrovirus that causes "AIDS"; Infectious bovine rhinotracheitis; Infectious bronchitis (Avian IBV); Influenza A/Hong Kong; Porcine parvovirus; Pseudorabies; Rabies; Rubella (German measles); and Vaccinia.

**Effective against the following pathogenic bacteria:** *Bordetella bronchiseptica*, *Chlamydia psittaci* (Psittacosis strain VR-854), *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterococcus faecalis*\* (Streptococcus faecalis), *Escherichia coli*\*, *Fusobacterium necrophorum*, *Klebsiella pneumoniae*\*, *Pasteurella multocida*, *Proteus mirabilis*, *Proteus vulgaris*, *Pseudomonas aeruginosa*\*, *Salmonella Choleraesuis*, *Salmonella typhi*, *Salmonella typhimurium*, *Serratia marcescens*, *Shigella flexneri*, *Shigella sonnei*, *Staphylococcus aureus*\*, *Staphylococcus epidermidis* (antibiotic resistant), and *Streptococcus pyogenes*.

\* Both antibiotic-resistant and regular bacterial strains.

**Fungicidal against:** *Candida albicans* and *Trichophyton mentagrophytes* (agent that causes athlete's foot fungi) in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Follow disinfection directions.

**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:** Non-refillable Container. Do not refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Drain for 10 seconds after flow begins to drip. Fill container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.