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Division of Pfizer Inc.

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ROCCAL® -D PLUS

Pharmacia & Upjohn

Veterinary and Animal Care Disinfectant

EPA Reg. No.: 65020-12-1023

Active Ingredient(s):

Didecyl dimethyl ammonium chloride	9.2%
Alkyl (C ₁₂ , 61%; C ₁₄ , 23%; C ₁₆ , 11%; C ₁₈ , 2.5%; C ₈ & C ₁₀ , 2.5%) dimethyl benzyl ammonium chloride	9.2%
Alkyl (C ₁₂ , 40%; C ₁₄ , 50%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	4.6%
bis-n-tributyltin oxide	1.0%
Inert Ingredients:	76.0%

Indications: Bactericide, fungicide, virucide for veterinary, laboratory animal, kennel and animal breeder facilities.

Effective in 400 ppm hard water as (CaCO₃). Disinfects in 5% organic soil load.

ROCCAL® -D PLUS is a complete, chemically balanced disinfectant providing clear use solutions even in hard water.

It is also a residual bacteriostat and inhibits bacterial growth on moist surfaces and contains rust corrosion inhibitors.

It deodorizes by killing most microorganisms that cause offensive odors.

Directions for Use: In veterinary clinics, animal care facilities, animal research centers, animal breeding facilities, kennels and animal quarantine areas.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. ROCCAL[®]-D Plus is a one-step germicide, fungicide, soapless cleaner and deodorant effective in the presence of organic soil (5% serum). It is non-selective and when used as directed, will not harm tile, terrazo, resilient flooring, concrete, painted or varnished wood, glass or metals.

To clean and disinfect hard surfaces, use 1/2 fluid ounce of ROCCAL[®]-D Plus per gallon of water. Apply by immersion, flushing solution over treated surfaces with a mop, sponge, cloth or bowl mop to thoroughly wet surfaces. Prepare fresh solutions daily or when solution becomes visibly dirty.

To clean badly soiled areas, use up to 1 1/2 fluid ounce per gallon of water.

To disinfect, allow treated surfaces to remain moist for at least 10 minutes before wiping or rinsing.

To control mold and mildew growth on previously cleaned, hard nonporous surfaces, use 1/2 fluid ounce per gallon. Allow to dry without wiping. Reapply as new growth appears.

Boot Bath: Use 1 fluid ounce per gallon in boot baths. Change solution daily and anytime it becomes visibly soiled. Use a nylon bristled brush to clean soils from boots.

Disinfecting Vans, Trucks and Farm Vehicles: Clean and rinse vehicles and disinfect with 1/2 fluid ounce per gallon ROCCAL[®]-D Plus. If desired, rinse after 10 minutes contact or leave unrinsed.

Do not use ROCCAL[®]-D Plus on vaccination equipment, needles or diluent bottles as the residual germicide may render the vaccines ineffective.

ROCCAL[®]-D Plus should not be mixed with other cleaning or disinfecting compounds or products. Broad spectrum germicidal action in hard water and under soil load conditions: At 1/2 fluid ounce per gallon (1:256) in official AOAC Use Dilution and Fungicidal Tests, ROCCAL[®]-D Plus is effective in water up to 400 ppm hardness (as CaCO₃) and an organic soil load of 5% serum against the following organisms.

Bacteria: *Pseudomonas aeruginosa* ATCC 15442, *Salmonella choleraesuis* ATCC 10708, *Enterobacter aerogenes* ATCC 63809, *Pasteurella multocida* ATCC 7707, *Shigella dysenteriae* ATCC 13313, *Klebsiella pneumoniae* ATCC 4352, *Enterococcus faecium* ATCC 6569, *Salmonella gallinarum* ATCC 9184, *Serratia marcescens* ATCC 264, *Bordetella avium* ATCC 35086, *Streptococcus agalactiae* ATCC 27916, *Mycoplasma gallisepticum* ATCC 15302, *Mycoplasma gallinarum* ATCC 19708, *Actinomyces pyogenes* ATCC 19411, *Actinobacillus pleuropneumoniae* ATCC 27088, *Corynebacterium pseudotuberculosis* ATCC 19410, *Rhodococcus equi* ATCC 6939, *Streptococcus equi* var. *zooepidemicus* ATCC 43079, *Staphylococcus aureus* ATCC 6538, *Salmonella enteritidis* ATCC 4931, *Streptococcus pyogenes* ATCC 9547, *Salmonella pullorum* ATCC 9120, *Escherichia coli* ATCC 11229, *Alcaligenes faecalis* ATCC 8748, *Shigella sonnei* ATCC 29930, *Salmonella typhosa* ATCC 6539, *Proteus morgani* ATCC 25830, *Proteus mirabilis* ATCC 25933, *Mycoplasma iners* ATCC 19705, *Mycoplasma hypopneumoniae* ATCC 25934, *Bordetella bronchiseptica* ATCC 19395, *Streptococcus equi* var. *equi* ATCC 33398.

Fungi: *Aspergillus fumigatus* ATCC 10894, *Trichophyton mentagrophytes* var. *interdigitale* ATCC 9533, *Candida albicans* ATCC 18804.

Viruses: Using accepted virus propagation and hard surface test methods, ROCCAL[®]-D Plus is effective at 1:256 in 400 ppm hard water and 5% serum against the following viruses: Avian laryngotracheitis ATCC VR-783, canine parvovirus ATCC VR-953, infectious bronchitis ATCC VR-22, transmissible gastroenteritis ATCC VR-763, *Mycoplasma gallisepticum* ATCC 15302, infectious bursal disease (Gumboro) ATCC VR-478, canine distemper Onderstepoort strain, equine herpesvirus ATCC VR-700, feline infectious peritonitis strain, DF-2, swine PRRS virus, reference strain, NVSL, Newcastle's disease ATCC VR-109, parainfluenza ATCC VR281, pseudorabies ATCC VR-135, avian influenza ATCC VR-798, canine herpesvirus ATCC VR-552, equine influenza A ATCC VR-297, porcine parvovirus ATCC VR-742, vesicular stomatitis virus, Indiana.

Precautionary Statements: Hazards to Humans and Domestic Animals: Corrosive: Causes severe eye and skin damage. Do not get into eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling the concentrate. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling.

Environmental Hazards: This product 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.

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

Statement of Practical Treatment: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If ingested, drink promptly a large quantity of raw egg whites, gelatin solution, or if these are not available, drink a large quantity of water. Avoid alcohol. Call a physician immediately.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Storage and Disposal: Store only in tightly closed original container in a secure area inaccessible to children. Do not contaminate water, food or feed by storage and disposal. 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.

Do not reuse empty container. Rinse container thoroughly before discarding in trash.

Warning(s): Danger. Keep out of reach of children.

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Presentation: 1 gallon (NDC 0009-7308-01) and 5 gallons (NDC 0009-7308-05).

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