STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.
Pesticide Storage: Do not reuse empty container. Keep from freezing.
Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse water 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: Nonrefillable container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into an application equipment or a mix tank. Fill the container 1/2 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer container for recycling, if available.

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS
DANGER: Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear chemical splash-proof goggles or face shield, rubber gloves and protective clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

MEDICAL EMERGENCY
1-800-851-7145
For Institutional Use

ACTIVE INGREDIENTS:
Didecyl dimethyl ammonium chloride ........................................... 2.1760%
n-Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride ........................................... 2.0475%
OTHER INGREDIENTS: ........................................... 95.7765%
TOTAL: ........................................... 100.0000%

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.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
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.

IN CASE OF EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.
1-800-851-7145
Have the product container or label with you when calling a Poison Control Center or doctor or going in for treatment.

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

KEEP OUT OF REACH OF CHILDREN
DANGER
See additional precautionary statements on side panel.

Net Contents: 3.78 L / 1 U.S. Gal. 4556006

For Institutional Use

REV (6/1/10)
This product is a one-step germicidal disinfectant cleaner and deodorant designed for general cleaning, disinfecting, deodorizing and controlling mold and mildew on hard, non-porous environmental surfaces. It cleans quickly by removing dirt, grime, mold, mildew, and other common soils found in hospitals, nursing homes, schools and colleges, offices, veterinary clinics, pet shops, animal life science laboratories, hotels, motels, public areas and restrooms.

It is designed for use on the following hard, non-porous environmental surfaces: vinyl, painted surfaces, plastic surfaces, glazed ceramic, glazed porcelain, laminated surfaces and baked enamel surfaces associated with food, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, urinals, sinks, shower doors, and locker room areas - any hard, non-porous washable surface where disinfection is required. This product’s non-dulling formula eliminates the time and labor normally required for rinsing. A potable water rinse is required for food contact surfaces. Do not use on glasses, dishes, and utensils.

When used as directed at a 1:64 dilution (2 oz. per gallon of water), this product contains 650 ppm of active quaternary germicides making it highly effective against a wide variety of pathogenic microorganisms. Using approved AGAC test methods under Good Laboratory Practices (GLPs), in the presence of 400 ppm hard water, 10% serum load and 10 minute contact time, this product kills the following on hard non-porous inanimate surfaces:


See reference sheet for a complete list of organisms.

Bactericidal Stability of Use-Dilution - Tests show this product, when diluted in 400 ppm hard water and in the presence of 5% serum load, remains effective against Pseudomonas aeruginosa, Staphylococcus aureus and Salmonella enterica for up to 1 year in storage as long as it remains sealed. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, dry containers when diluting this product.

MSDS # MS01277118

JohnsonDiversey

This product can be applied by mop, sponge, cloth, paper towel, or hand pump coarse trigger sprayer. Change cloths, sponges or towels frequently to avoid redeposition of soil. For disinfection, all surfaces must remain wet for 10 minutes.

DIRECTIONS FOR USE:

1. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
2. To Prepare Use Solution: Add the product at 2 oz. per gallon of water (1:64).
3. For Use as a One-Step Cleaner/Disinfector:
   1. Pre-clean heavily soiled areas.
   2. Apply Use Solution to hard, non-porous environmental surfaces.
   3. Allow surfaces to remain wet for 10 minutes.
   4. Wipe surfaces and let air dry.

   Note: Rinsing is not necessary unless floors are to be coated with finish or resealer. All food contact surfaces such as appliances and kitchen countertops must be rinsed with potable water. Do not use on glassware, utensils, or dishes.
4. For Use as a Cleaner and/or Deodorizer:
   1. Apply Use Solution to surfaces. Wipe surfaces and let air dry.
5. For Use as a Non-Acid Bowl Cleaner/Disinfector in Toilet Bowls and Urinals from Use-Dilution:
   1. Pre-clean heavily soiled areas.
   2. Empty toilet bowls by forcing water through the trap. Apply Use Solution to exposed surfaces in toilet bowls and urinals.
   3. Allow entire surface area especially under the rim.
   4. Allow surface to remain wet for 10 minutes.
   5. Flush toilet or urinal and rinse again thoroughly before application.

   For Use To Clean and Disinfect Shower Rooms, Lockers Rooms and Other Large, Open Areas with Floor Grains:
   1. Pre-clean heavily soiled areas.
   2. Apply Use Solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for 10 minutes.
   3. Scrub using a deck brush or other coarse material as necessary.
   4. Rinse surfaces thoroughly and let air dry.

   To Kill Mold and Mildew: Apply Use Solution to pre-cleaned hard, non-porous environmental surfaces. Allow to air dry. Repeat application weekly or when growth reappears.

   To Kill Fungi: Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surface to remain wet for 10 (10) minutes. Wipe surfaces and let air dry.

For Use in Treatment of Animal Housing Facilities:

1. Remove all animals and beds from areas being treated.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities occupied or traversed by animals.
3. Empty or cover all bunks, rails and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Apply fresh Use Solution to floors, walls, cages and other washable hard, non-porous environmental surfaces. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. To disinfect, all surfaces must remain wet for 10 minutes.
6. 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.
7. Do not house animals or employ equipment until product has dried.
8. For disinfection of feed rooms, bunks, automatic feeders, fountains and watering appliances, scrub with use-solution, let stand 10 minutes. Then thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before re-use.

*This product kills HBV, HCV and HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings (Hospitals, Nursing Homes) and 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 Hepatitis B Virus, Hepatitis C Virus and Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HBV, HCV AND HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

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

Cleaning Procedures: Blood and body fluids must be thoroughly cleansed from surfaces and objects before application of this product.

Contact Time: Allow surface to remain wet for 1 minute to kill HBV-1, 5 minutes to kill HCV and HIV-1, and 10 minutes to kill all other organisms cited on the label.

Disposal of Infectious Material: Blood and other body fluids must be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

EPA Reg. No. 70627-23-69920
EPA ERI. Reg. No. 4822-WT-113001; 0312-WT-0113
Lot code letters indicate establishment number.

Sold by:
©2010 The Ramsey Company
8310 16th Street, Stuart, WV 33177-1964
QUESTIONS, COMMENTS? 1-800-421-2768 / www.johnsondiversey.com
**FrequenCy 64™ Neutral Disinfectant Cleaner**

Using approved AOAC test methods under Good Laboratory Practices (GLP's), in the presence of 400 ppm hard water, 10% serum and 10 minute contact time, this product kills the following on hard non-porous inanimate surfaces:

**Bacteria**
- Pseudomonas aeruginosa, (ATCC 15422)
- Staphylococcus aureus, (ATCC 6538)
- Salmonella enterica, (ATCC 12070) formerly known as Salmonella choleraesuis
- Acinetobacter calcoaceticus, (ATCC 9957)
- Bordetella bronchiseptica, (ATCC 10980)
- Burkholderia cepacia, (ATCC 25416) formerly known as Pseudomonas cepacia
- Campylobacter fetus, (ATCC 27374)
- Chlamydia psittaci, (VR-125)
- Citrobacter freundii, (ATCC 8090)
- Enterobacter agglomerans, (ATCC 27155)
- Enterobacter cloacae, (ATCC 23555)
- Enterobacter liquefaciens, (ATCC 14460)
- Enterococcus faecalis, (ATCC 19433) formerly known as Streptococcus faecalis
- Enterococcus hirae, (ATCC 10541)
- Escherichia coli, (ATCC 11229)
- Enterococcus coli 0157:H7, (ATCC 43890)
- Flavobacterium meningosepticum, (ATCC 11253)
- Haemophilus influenzae, (ATCC 10211)
- Hafnia alvei, (ATCC 13337)
- Klebsiella oxytoca, (ATCC 13182)
- Klebsiella pneumoniae, (ATCC 13883)
- Legionella pneumophila, (ATCC 33153)
- Listeria monocytogenes, (ATCC 15131)
- Micrococcus luteus, (ATCC 4698)
- Micrococcus luteus, (ATCC 14452)
- Micrococcus sedentarius, (ATCC 27573)
- Neisseria gonorrhoeae, (ATCC 104069)
- Pasteurella multocida, (ATCC 43157)
- Proteus mirabilis, (ATCC 9240)
- Proteus vulgaris, (ATCC 13315)
- Pseudomonas diminuta, (ATCC 11968)
- Pseudomonas fluorescens, (ATCC 13520)
- Pseudomonas putida, (ATCC 12693)
- Pseudomonas stutzeri, (ATCC 17588)
- Salmonella enterica (pulorum), (ATCC 19945) formerly known as Salmonella choleraesuis pulorum
- Salmonella enteritidis, (ATCC 13076)
- Salmonella gallinarum, (ATCC 9184)
- Salmonella ochroitleri, (ATCC 10719)
- Salmonella typhi, (ATCC 1339)
- Salmonella typhimurium, (ATCC 13311)
- Serratia marcescens, (ATCC 9108)
- Shigella dysenteriae, (ATCC 29026)
- Shigella flexneri, (ATCC 25975)
- Shigella sonnel, (ATCC 25931)
- Staphylococcus aureus, (ATCC 25923)
- Staphylococcus aurous (Toxic Shock), (ATCC 33588)
- Staphylococcus epidermidis, (ATCC 14990)
- Staphylococcus haemolyticus, (ATCC 29970)
- Streptococcus agalactiae, (ATCC 13813)
- Streptococcus mutans, (ATCC 25175)
- Streptococcus pyogenes, (ATCC 19615)
- Streptococcus pyogenes (Glyc A - Pneus Eating Strain), (clinical isolate)
- Vibrio cholera, (ATCC 11633)
- Yersinia enterocolitica, (ATCC 9610)

**Antibiotic-Resistant Strains of Bacteria**
- Escherichia coli, (ATCC 52244); (Resistant to Kanamycin)
- Escherichia coli, (ATCC 97041); (Resistant to Tetracycline)
- Enterococcus faecalis, (ATCC 51299); (Resistant to Vancomycin [VRE])
- Klebsiella oxytoca, (ATCC 15764); (Resistant to Ampicillin, Dihydrostreptomycin)
- Micrococcus sedentarius, (ATCC 27573); (Resistant to Methicillin)
- Staphylococcus aureus, (ATCC 33588); (Intermediate-Vancomycin Resistance [VISA])
- Staphylococcus aureus, (ATCC 14154); (Resistant to Erythromycin, Penicillin, Streptomycin, Tetracycline)
- Staphylococcus aureus, (ATCC 33592); (Resistant to Methicillin [MRSA], Gentamicin [GMSA])
- Staphylococcus epidermidis, (ATCC 51253); (Resistant to Methicillin [MRSE])
- Streptococcus pneumoniae, (ATCC 51915); (Resistant to Penicillin [PRSP])

**Viruses**
- Cytomegalovirus, (VR-538)
- Herpes simplex Type 1, (VR-732)
- Herpes simplex Type 2, (VR-734)
- Human Coronavirus, (VR-740)
- Influenza Type A (Hong Kong), (VR-544)
- Parainfluenza Type 3, (VR-63)
- Respiratory syncytial virus, (VR-26)
- Rotavirus, (Strain WA)
- Vaccinia virus (smallpox vaccine virus), (VR-119)

Kills HIV-1 (AIDS virus) (HTLV-IIIb) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Kills HBV & HCV when used as directed on hard, non-porous inanimate surfaces with a 5 minute contact time.

**Veterinary viruses**
- Avian Infectious bronchitis (IBV), (VR-22)
- Avian Influenza, (VR-2072)
- Canine distemper, (VR-128)
- Feline viral rhinotracheitis, (VR-636)
- Feline bovine rhinotracheitis, (VR-188)
- New Castle disease, (VR-198)
- Pseudorabies, (VR-135)
- Transmissible gastroenteritis virus (TGE), (U of Minn. Strain)

**Fungi/Yeast**
- Geotrichum candidum, (ATCC 18091)
- Saccharomyces cerevisiae, (ATCC 2801)

**Mildewstatic Activity** - controls and prevents the growth of mold and mildew: Aspergillus niger (ATCC 6275) and the odors caused by them when applied to hard, non-porous environmental surfaces.

Using approved AOAC test methods under Good Laboratory Practices (GLP's), in the presence of 400 ppm hard water, 5% serum load and 10 minute contact time, this product kills the following on hard non-porous inanimate surfaces:

**Viruses**
- Adenovirus Type 2, (VR-2)

**Fungi/Yeast**
- Fungi: Aspergillus niger, (ATCC 6275), Trichophyton mentagrophytes (athlete’s foot fungus), (ATCC 9533)
- Yeast: Candida albicans, (ATCC 10231)

**Mildewcidal Activity** - kills the growth of mold and mildew: Aspergillus niger (ATCC 6275) and the odors caused by them when applied to hard, non-porous environmental surfaces.

EPA Reg. No. 70627-23-69920

Sold by:
The Ramsey Company, 8310 16th Street, Sturtevant, WI 53177-1964, U.S.A.
**FreQuency 64™ Neutral Disinfectant Cleaner**

**DIRECTIONS FOR USE:**
- 1. Pre-clean heavily soiled areas.
- 2. Apply Use Solution to hard, non-porous environments.
- 3. All surfaces must remain wet for 10 minutes.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

See additional precautionary statements on side panel.

**IF IN EYES:**
- 1. Flush eyes immediately with plenty of water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, and continue flushing eye.
- 2. If flushing does not relieve irritation, call a poison control center or doctor immediately for further treatment advice. Have person sip a glass of water to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.
- 3. Call a poison control center or doctor immediately if eye irritation persists.

**FIRST AID MEASURES:**
- 1. If swallowed, do not induce vomiting. Give 2 to 4 ounces of water or milk. Call a doctor immediately.

**TOxicology Information:**
- The product contains ammonium chloride, which has a pungent odor. It is not considered toxic. However, it is an irritant and should not be ingested.

**ENVIRONMENTAL INFORMATION:**
- The product is biodegradable and does not contain any ingredients that are harmful to the environment.

**STORAGE:**
- Store in a cool, dry place.

**COMPONENTS:**
- nitrilotriacetate sodium,
- citric acid,
- sodium citrate,
- ethyl alcohol,
- water.

**HEALTH HAZARDS:**
- The product contains ammonium chloride, which may cause irritation to the eyes, nose, and throat. It may also cause respiratory irritation if inhaled.

**FIRE AND EXPLOSION HAZARDS:**
- The product is not flammable.

**REACTIVITY:**
- The product is stable under normal conditions.

**HAZARDOUS COMBUSTION PRODUCTS:**
- The product does not produce hazardous combustion products.

**STABILITY:**
- The product is stable under normal conditions.

**HAZARDS TO RECEPTORS:**
- The product is not considered hazardous to receptors.

**PRECAUTIONARY STATEMENTS:**
- KEEP OUT OF REACH OF CHILDREN.
- DANGER: See additional precautionary statements on side panel.

**EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.**
- 1-800-951-7141

**DISPOSAL OF SURPLUS:**
- The product should be disposed of in accordance with local regulations.

**Hazard Communication Standard:**
- The product contains an ingredient that is cited in the Hazard Communication Standard. This ingredient is ammonium chloride.

**Technical Data Sheet:**
- MSDS # MS0127118

**Manufacturer:**
- JohnsonDiversey

**Address:**
- 4556006

**Telephone:**
- 378 L / 1 U.S. Gal.

**Date:**
- 32