

**DISC.**



# GREEN SOLUTIONS<sup>®</sup>

## High Dilution Disinfectant 256

### ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride .....	6.510%
Dioctyl dimethyl ammonium chloride .....	3.255%
Didecyl dimethyl ammonium chloride .....	3.255%
Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride .....	8.680%
<b>INERT INGREDIENTS</b> .....	<b>78.300%</b>
<b>Total</b> .....	<b>100.000%</b>

**Cleaner/Disinfectant/Detergent**  
**Fungicide against pathogenic fungi/Deodorizer/\*Virucide**  
**Mildewstat on hard, nonporous, inanimate surfaces.**  
**Kills Pandemic 2009 H1N1 Influenza A virus.**

Green Solutions High Dilution Disinfectant 256 is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, schools, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail business, and athletic/recreational facilities, sports stadiums, amphitheatres and convention centers where housekeeping is of prime importance in controlling the hazard of cross-contamination.

This product, when used as directed, is formulated to disinfect hard, non-porous inanimate, environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets. For larger areas: operating rooms and patient care facilities, and restrooms, this product is designed to provide both general cleaning and disinfecting.

EPA Reg. No.  
1839-167-5741

EPA Est. No.  
5741-OH-1

KEEP OUT OF REACH OF CHILDREN

**DANGER**

See back panel for additional precautionary and first aid statements.



**LICENSED**

PERIOD 2014-2016 LIC. NO.

Sold by: **Spartan Chemical Company, Inc., 1110 Spartan Drive, Maumee, Ohio 43537** **9400.46**  
**#3508 NET CONTENTS: 1 U.S. Gallon / 3.79 Liters**



**LICENSED**

PERIOD 2011-2013 LIC. NO.

PERIOD 2008-2010 LIC. NO.

JUL - 6 - 2010

Pesticides Branch

## Green Solutions High Dilution Disinfectant 256

**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.

**GENERAL CLEANING** – Apply this product to soiled area with a mop, cloth, sponge, hand-pump trigger sprayer or low pressure coarse sprayer. This product can be diluted at 1/2 ounce per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

**DISINFECTION** - To disinfect inanimate, hard, non-porous surfaces, add 1/2 oz. of this product per gallon of water. Apply solution with a mop, cloth, sponge, hand-pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

**DEODORIZATION** - To deodorize, apply this product as indicated under the heading DISINFECTION.

**MILDEWSTAT** – To control mold and mildew (*Aspergillus niger*, ATCC 6275) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces, add 1/2 ounce of this product per gallon of water. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

**BACTERICIDAL ACTIVITY** - At the 1/2 oz. per gallon dilution, this product demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD-10, *Salmonella enterica*, *Staphylococcus aureus*, *Staphylococcus aureus* (clinical isolate), *Bordetella bronchiseptica*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterobacter cloacae* (clinical isolate), *Enterococcus faecalis*, *Enterococcus faecalis* (clinical isolate), *Escherichia coli*, *Escherichia coli* (clinical isolate),

*Fusobacterium necrophorum*, *Klebsiella pneumoniae* subsp. *pneumoniae*, *Lactobacillus casei* subsp. *rhamnosus*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus vulgaris*, *Proteus mirabilis* ATCC 9921, *Proteus mirabilis* ATCC 25933, *Salmonella enterica* subsp. *enterica* serotype *paratyphi* B, *Salmonella enterica* subsp. *enterica* serotype *typhi*, *Salmonella enterica* subsp. *enterica* serotype *typhimurium*, *Salmonella enterica* subsp. *enterica* serotype *pullorum*, *Serratia marcescens*, *Shigella sonnei*, *Shigella flexneri* Type 2b, *Shigella dysenteriae*, *Staphylococcus aureus* subsp. *aureus*, *Methicillin resistant Staphylococcus aureus* (MRSA) , *Staphylococcus epidermidis*, *Staphylococcus epidermidis* (clinical isolate), *Streptococcus pyogenes* (Clinical – Flesh Eating Strain BIRD M3), *Streptococcus pyogenes* Group A, *Xanthamonas maltophilia* (clinical isolate), *Vancomycin resistant Enterococcus faecalis* (VRE) (ATCC 51575), and *Vancomycin intermediate resistant Staphylococcus aureus* (VISA). Community Associated *Methicillin resistant Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA 400, Community Associated *Methicillin resistant Staphylococcus aureus* (CA-MRSA) NRS 384 Genotype USA 300.

**FUNGICIDAL ACTIVITY** - At the 1/2 ounce per gallon dilution, this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) and *Candida albicans*. Apply solution with a cloth, sponge or hand-pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

**\*VIRUCIDAL ACTIVITY** – This product when used on environmental, inanimate hard non-porous surfaces at 1/2 ounce per gallon of water exhibits effective virucidal activity against Human Immunodeficiency Virus Type 1 (HIV-1), Human Immunodeficiency Virus Type 2 (HIV-2), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital disease), Influenza A/Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, Strain 229E), SARS Associated Coronavirus, Rabies virus, Bovine Viral Diarrhea virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, Canine Distemper virus and Avian Influenza A virus. Kills Pandemic 2009 H1N1 Influenza A virus.

**KILLS HIV-1, HIV-2, HBV AND HCV ON PRE-CLEANED, ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) 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 or Type 2, (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).

### SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

**Personal Protection:** When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

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

**Contact Time:** Allow surface to remain wet for 10 minutes.

**Disposal of Infectious Materials:** Blood and other body fluids should be

autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND \*VIRUCIDE AGAINST THE LISTED ORGANISMS IN WATER UP TO 400 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). THIS PRODUCT IS AN EFFECTIVE FUNGICIDE AGAINST THE LISTED FUNGI IN WATER UP TO 200 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

KEEP OUT OF REACH OF CHILDREN. 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 (goggles or face shield), clothing, and gloves when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**PHYSICAL OR CHEMICAL HAZARDS:** Combustible. Do not use or store near heat or open flame.

#### FIRST AID

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

**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 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 by 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.

### 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.

**CONTAINER DISPOSAL** – Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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.

**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.



Sold by: Spartan Chemical Company, Inc., 1110 Spartan Drive, Maumee, Ohio 43537 / 1-800-537-8990 / Medical Emergency: 888-314-6171 / www.spartanchemical.com

© SCC 4/10

