



**SIMPLE GREEN® d Pro 5**  
**Cleaner • Sanitizer • Fungicide • Mildewstat •**  
**Virucide\* • Deodorizer**

Technical Data Sheet  
 January 2014

**Product Description:** Disinfectant for hard non-porous surfaces

- |                  |                                      |                               |
|------------------|--------------------------------------|-------------------------------|
| - Hospital Grade | - One Step Disinfectant              | - Color & Fragrance free      |
| - Concentrated   | - For Institutional & Industrial Use | - EPA Reg. No. 6836-140-56782 |

**Directions for use:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

**Preparation of Disinfectant Use-Solution: Mix 2 oz. per gallon of water (1:64).**

**For heavy duty-use, mix 8 oz. per gallon of water (1:16).**

**DISINFECTION / VIRUCIDAL\* / FUNGICIDAL / MOLD AND MILDEW CONTROL DIRECTIONS:** Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces, with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. **For Influenza Virus Type A and Human Coronavirus** treated surfaces must remain wet for 1 minute. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6 – 8 inches from the surface; rub with brush, sponge or cloth. Avoid breathing spray.

**For fungicidal activity, Simple Green d Pro 5®** is an effective fungicide against Trichophyton mentagrophytes in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. **Simple Green d Pro 5** is a one-step fungicide at 2 oz. per gallon in 200 ppm hard water and 5% serum. **For mold and mildew:** At 2 oz. per gallon, **Simple Green d Pro 5** will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, nonporous surfaces. Follow disinfection instructions. Repeat treatment every seven days, or more often if new growth appears.

- Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse.
- Do not use on utensils, glassware and dishes as a disinfectant.

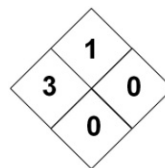
**Properties:** Clear liquid with no added odor.

Specific Gravity...	1.005 – 1.015	Boiling Point.....	101°C (213.8°F)
pH.....	11.0 – 13.0	Freezing Point....	0 - 3.33°C (32 - 38°F)
Flash Point.....	Not determined		
VOCs.....	CARB Method 310 - 6.875 g/L	0.0573 lb/gal	0.6875%

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**Ingestion:** 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



<b>NFPA/HMIS Rating</b> Health = 3 (serious) Fire = 1 (slight) Reactivity, Special / PPE = 0 / none
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**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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

**Shelf Life:** In unopened containers, under normal storage conditions, Simple Green is expected to last 18 months or longer. Opened containers cannot be guaranteed due to uncontrollable variables.

**BACTERICIDAL STABILITY OF USE-DILUTION:** Tests confirm that **Simple Green d Pro 5**, when diluted in soft water, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* for up to one week when stored in a sealed container such as a spray bottle. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.



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**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children

**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:** Nonrefillable containers. Do not reuse or refill this container. Clean containers promptly after emptying. Triple rinse as follows: Fill containers ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**PRECAUTIONARY STATEMENTS**

**HAZARDS 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 protective eyewear (goggles, face shield or safety glasses), protective (rubber or chemical resistant) gloves and protective clothing. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**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.

**Active Ingredients:**

Octyl decyl dimethyl ammonium chloride .....	1.65%
Dioctyl dimethyl ammonium chloride .....	0.66%
Didecyl dimethyl ammonium chloride .....	0.99%
Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride .....	2.20%

**Simple Green d Pro 5 kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).**

As a disinfectant, Simple Green d Pro 5 is effect against:	Use Simple Green d Pro 5 on washable hard, nonporous surfaces of:	Use Simple Green d Pro 5 in:
Acinetobacter baumannii	Bathroom fixtures	Athletic facilities
*Adenovirus Type 5 & Type 7	Bathtubs	Barber shops
Aspergillus niger	Blenders	Bars & Restaurants
*Avian Infectious Bronchitis Virus	Cabinets	Bathrooms
*Avian Influenza Virus (H3N2) & (H5N1)	Cages	Business & office buildings
Brevibacterium ammoniagenes	Chairs	Cafeterias
*Canine Distemper Virus	Chopping blocks & Cutting boards, plastic & other nonporous	Convenience stores
Campylobacter jejuni	Cooking utensils	Correctional facilities
Enterobacter aerogenes	Coolers & Ice chests	Day care centers
Enterococcus faecalis	Countertops	Dental offices
Enterococcus faecalis - Vancomycin resistant (VRE)	Countertop laminates	Emergency vehicles
ESBL Escherichia coli	Cutlery	Exercise facilities
Escherichia coli	Desks	Farms



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<ul style="list-style-type: none"> <li>*Feline Calicivirus</li> <li>*Hepatitis B Virus &amp; Hepatitis C Virus</li> <li>*Herpes Simplex Virus Type 1 &amp; Type 2</li> <li>*HIV-1 (the AIDS Virus)</li> <li>*Human Coronavirus</li> <li>Influenza Virus Type A / Brazil &amp; Type A / Hong Kong</li> <li>Klebsiella pneumoniae (Klebsiella)</li> <li>Legionella pneumophila</li> <li>Listeria monocytogenes</li> <li>*Newcastle's Disease Virus</li> <li>*Norwalk Virus [Norovirus]</li> <li>Pseudomonas aeruginosa</li> <li>Pseudomonas cepacia</li> <li>*Pseudorabies Virus</li> <li>*Respiratory Syncytial Virus [RSV]</li> <li>*SARS Associated Coronavirus [SARS]</li> <li>Salmonella enterica</li> <li>Salmonella schottmuelleri</li> <li>Salmonella typhi</li> <li>Serratia marcescens</li> <li>Shigella dysenteriae</li> <li>Staphylococcus aureus</li> <li>Staphylococcus aureus - Community Associated Methicillin-Resistant (NRS384 / USA300) &amp; (NRS123 / USA400)</li> <li>Staphylococcus aureus Methicillin-Resistant (MRSA)</li> <li>Staphylococcus aureus Multi-Drug Resistant</li> <li>Staphylococcus aureus Vancomycin Intermediate Resistant (VISA)</li> <li>Streptococcus pyogenes</li> <li>Trichophyton mentagrophytes</li> <li>*Vaccinia [Pox Virus]</li> <li>Vibrio cholerae</li> </ul>	<ul style="list-style-type: none"> <li>Dishes, Eating Utensils, &amp; Glassware</li> <li>Doorknobs</li> <li>Exterior surfaces of appliances, microwave ovens &amp; refrigerators</li> <li>Fiberglass shower stalls, sinks &amp; tubs</li> <li>Floors</li> <li>Food processors</li> <li>Garbage cans</li> <li>Glazed ceramic, enameled surfaces, porcelain &amp; tiles</li> <li>Highchairs</li> <li>Kennel runs</li> <li>Laminated surfaces</li> <li>Metal</li> <li>Outdoor furniture, except cushions &amp; wood frames</li> <li>Plastic</li> <li>Sealed stone</li> <li>Shower stalls</li> <li>Sinks</li> <li>Stainless steel</li> <li>Stovetops</li> <li>Tables</li> <li>Telephones</li> <li>Toilets</li> <li>Ultrasonic baths</li> <li>Upholstery, vinyl and plastic</li> <li>Urinals</li> <li>Walls</li> </ul>	<ul style="list-style-type: none"> <li>Food preparation areas</li> <li>Food storage areas</li> <li>Hospitals</li> <li>Hotels &amp; Motels</li> <li>Institutional kitchens</li> <li>Institutions</li> <li>Kitchens</li> <li>Locker rooms</li> <li>Medical Offices</li> <li>Nursing homes</li> <li>Play ground equipment</li> <li>Pet animal quarters</li> <li>Poultry farms</li> <li>Prisons</li> <li>Public rest rooms</li> <li>Salons</li> <li>Schools &amp; Colleges</li> <li>Taxis</li> <li>Trains</li> <li>USDA inspected food processing facilities</li> <li>Zoos</li> </ul>
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**Simple Green d Pro 5 is an effective sanitizer for use on pre-cleaned food contact surfaces at 300-400 ppm in waters up to 500 ppm hardness in 60 seconds against:** Campylobacter jejuni, Escherichia coli, ESBL Escherichia coli, Salmonella enterica, Shigella sonneii, Staphylococcus aureus, Vibrio cholera, Yersinia enterocolitica

**Simple Green d Pro 5** has been cleared by 40 CFR §180.940 (a) for use on Food-contact surfaces in public eating places, dairy processing equipment, food processing equipment, utensils and other food-contact articles

\*KILLS HIV AND HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in healthcare settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/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) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).



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

**PERSONAL PROTECTION:** Clean-up must always be done wearing protective gloves, gowns, masks and eye protection.

**CLEANING PROCEDURES:** Blood and other body fluids containing HIV-1 or HBV or HCV must be thoroughly cleaned from surfaces and objects before application of **Simple Green d Pro 5**.

**CONTACT TIME:** Leave surface wet for 60 seconds for HIV-1 and 10 minutes for HBV and HCV with a 2 oz. per gallon use-solution. Use 8 oz per gallon of water to kill Adenovirus Type 5 and Type 7. Use a 10-minute contact time for disinfection against all other viruses, bacteria and fungi claimed.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to local regulations for infectious waste disposal.

**Date/Batch/Lot Codes:** *Each container is stamped or stickered with a date code in the following pattern.*

LLYJJBBB – where LL are two letters indicating the location it was produced, Y is the last digit for the year of production (eg. 4 is for 2014), JJJ is the Julian date of production for that year (eg. 001 is for January 1<sup>st</sup>), and BBB is the batch produced up to that point of the year (eg. 004 is the fourth batch of the year).

**PART NUMBERS:**

3400000130501	1 Gallon	3410000430501	1 Gallon, 4 per case
3400000130505	5 Gallon		
3400000130532	32 oz.	3410001230532	32 oz., 12 per case
3400000130555	55 Gallon		
3400000130575	275 Gallon		

<b>Cleaning</b>	<b><i>versus</i> Sanitizing</b>	<b><i>versus</i> Disinfecting</b>
Removes soil, visible debris, dirt and dust.	When you sanitize, you are killing/ reducing the number of bacteria present by 99.9% (3 log10) but doing nothing about viruses and fungus. Sanitizing is better than cleaning alone but the reduction of pathogen populations on environmental surfaces is exponentially better when you disinfect.	The minimum level of effectiveness in a modern-day disinfectant is 100 % kill of 6 log10 of an organism. A sanitizer is only required to reduce that 6 log10 down to 3 Log10. Put into real numbers: If we start with 1 million organisms on a surface, a disinfectant must kill 100 percent of them; zero left. A sanitizer must only reduce the number of organisms down to 1,000. Also, it does nothing against viruses and fungi.

For more information please refer to material Safety Data Sheet or contact us at [info@simplegreen.com](mailto:info@simplegreen.com).