

## Heavy-Duty Cleaners

# Sanox II<sup>®</sup> Disinfectant Cleaner Specification Sheet

This proven, “one-step” disinfectant cleaner-sanitizer-fungicide-mildewstat-virucide formula is effective up to 400 ppm hardness in the presence of 5% serum contamination.



### Recommended For

Sanox II disinfects hard, non-porous surfaces in bathrooms, kitchens, laundries, litter boxes, kennels, diaper pails, garbage cans, etc. This formula fights mold, mildew, and fungus in damp or humid areas.

It is a violation of federal law to use this product in a manner inconsistent with labeling.

Use Sanox II in homes, hospitals, medical offices, health care institutions, day care centers, restaurants, convenience stores, schools, colleges, locker rooms, shower and bath areas, hotels, office buildings, salons, boats, cars, mobile homes, etc.

### Directions for Use

Apply Sanox II solution to walls, floors, and other hard (inanimate) non-porous surfaces such as tables, chairs, counter tops, sinks, tile, porcelain, toilet bowls, and urinals with a cloth, mop, or mechanical spray so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when used solution becomes visibly dirty.

**Hospital disinfection:** To disinfect hard, non-porous surfaces in hospitals, add 2 ounces per gallon of water (1:64 dilution). Treated surfaces must remain wet for 10 minutes.

**School, home disinfection:** To disinfect hard, non-porous surfaces in homes, schools, industry, and non-medical institutions, add 1 ¼ ounces per gallon of water (1:100 dilution). Treated surfaces must remain wet for 10 minutes

**Sanitizing nonfood contact surfaces (such as floors, walls, tablets, etc.):** Add 2 ounces per 4 gallons of water (1:256 dilution) to effectively sanitize against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard, porous, and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

**Refill applicator bottle:** Sanox II can be used with Conklin's Sanox II refill applicator bottle. When using this applicator, follow the use instructions found on the bottle label.

**Sanox II kills HIV 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).

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### Directions for Use (cont.)

**Special instructions for cleaning and contamination against HIV-1 on surfaces/objects soiled with blood/body fluids:** Use a 1/64 dilution mix.

**Personal protection:** Clean up should always be done wearing protective latex gloves, gown, mask, and eye protection.

**Cleaning procedure:** Blood and other body fluids containing HIV-1 must be thoroughly cleaned from surfaces and objects before application of Sanox II.

**Contact time:** Leave surface wet for 1 minute (60 seconds) for HIV-1 with a use solution of 2 ounces of Sanox II per gallon of water (1:64). Use a 10-minute contact time for disinfection against all other viruses, bacteria, and fungi claimed.

**Disposal of infectious material:** Blood, body fluids, cleaning materials, and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

### Specifications

|   |   |
|---|---|
| <b>Active Surfactant:</b> 2.51% (nonionic)  | <b>Odor:</b> Pleasant pine  |
| <b>Appearance:</b> Clear, yellowish-green liquid                                  | <b>Packaging:</b> Plastic 6 pints/case, 4 gallons/case, and 22-ounce empty spray bottle |
| <b>Compatibility:</b> Will not degrade most floor finishes                        | <b>pH:</b> Concentrate: 12.0-12.6; 1:64 dilution: 11.0; 1:102 dilution: 10.6            |
| <b>Detergency:</b> Very good  | <b>Shelf Life:</b> Two years in a sealed container                                      |
| <b>EPA:</b> Registration No. 11600-4  | <b>Solids:</b> 11% ± 1  |
| <b>Foaming:</b> Moderate to high  | <b>Specific Gravity:</b> 1.011-1.017  |
| <b>Freeze/Thaw Stability:</b> Passed five cycles                                  | <b>Surfactant:</b> Nonionic and cationic  |
| <b>Hard Water Tolerance:</b> Effective in up to 400 ppm (23 grain) water hardness | <b>Water Solubility:</b> Completely miscible  |



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| Organisms  | Organisms   |
|--|---|
| <b>Bacteria:</b>   | <b>Bacteria:</b>  |
| Pseudomonas aeruginosa (Pseudomonas)                             | Streptococcus pyogenes (Strep)                                |
| Staphylococcus aureus (Staph)                                    | Vibrio cholerae   |
| Salmonella choleraesuis (Salmonella)                             | <b>Viruses:</b>   |
| Acinetobacter baumannii (Acinetobacter)                          | *Herpes Simplex Virus Types 1 & 2 (Herpes)                    |
| Bravibacterium ammoniagenes (Brevibacterium)                     | *HIV-1 (AIDS Virus)   |
| Campylobacter jejuni (Campylobacter)                             | *Influenza Type A/Brazil (Influenza)                          |
| Enterobacter aerogenes   | *Respiratory Syncytial Virus (RSV)                            |
| Enterococcus faecalis (Enterococcus)                             | *Vaccinia (Pox Virus)   |
| Enterococcus faecalis - Vancomycin-resistant (VRE)               | *Adenovirus Type 5 (Adenovirus) at 1:16 dilution (8 oz./gal.) |
| Escherichia coli (E. coli)                                       | <b>Animal Viruses:</b>  |
| Klebsiella pneumoniae (Klebsiella)                               | Avian Influenza Virus   |
| Pseudomonas cepacia (Pseudomonas)                                | Avian Infectious Bronchitis Virus                             |
| Salmonella schottmuelleri (Salmonella)                           | Newcastle's Disease Virus                                     |
| Salmonella typhi (Salmonella)                                    | Canine Distemper Virus  |
| Serratia marcescens  | Pseudorabies Virus  |
| Shigella dysenteriae (Shigella)                                  | <b>Fungi:</b>   |
| Staphylococcus aureus Methicillin-Resistant (MRSA)               | Tricholphyton mentagrophytes (Athlete's Foot Fungus)          |
| Staphylococcus aureus Multi-Drug Resistant                       | Aspergillus niger   |
| Staphylococcus aureus - Vancomycin Intermediate Resistant (VISA) |   |

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### Microbiological Properties

**NOTE:** All efficacy testing was carried out in accordance with current EPA organic soil contamination requirements (addition of 5% blood serum) for one-step cleaner disinfectants and nonfood contact surface sanitizers. In addition, all efficacy testing demonstrating disinfectant, fungicidal, and virucidal activity was carried out in water of 400 ppm hardness. Sanox II is recommended at a dilution of 1:64 or 2 ounces per gallon for hospital disinfection.

**Two ounces per gallon dilution yields 800 ppm active quaternary.**  
At this dilution, Sanox II passes the required AOAC Use Dilution tests against:

*Staphylococcus aureus* ..... ATCC No. 6538  
*Salmonella choleraesuis* ..... ATCC No. 10708  
*Pseudomonas aeruginosa* ..... ATCC No. 15442

The broad spectrum effectiveness of Sanox II at the recommended use-dilution of 1:64 is shown by its germicidal action against the following additional organisms when tested by the AOAC Use Dilution method:

*Brevibacterium ammoniagenes* ..... ATCC No. 6871  
*Enterobacter aerogenes* ..... ATCC No. 13048  
*Salmonella typhi* ..... ATCC No. 6539  
*Serratia marcescens* ..... ATCC No. 274  
*Klebsiella pneumoniae* ..... ATCC No. 4352  
*Streptococcus pyogenes* ..... ATCC No. 12384  
*Escherichia coli* ..... ATCC No. 11229  
*Shigella dysenteriae* ..... ATCC No. 9380  
*Enterococcus faecalis* ..... ATCC No. 11700

At a dilution of approx. 1:100 or 1 ¼ ounce per gallon, Sanox II is recommended for non-medical institutional and industrial disinfection.

**1 ¼ ounce per gallon dilution yields 500 ppm active quaternary**  
At this dilution, Sanox II passes the required AOAC Use Dilution tests against:

*Staphylococcus aureus* ..... ATCC No. 6538  
*Salmonella choleraesuis* ..... ATCC No. 10708

The broad spectrum effectiveness of Sanox II at the recommended use-dilution of approx. 1:100 is shown by its germicidal action against the following additional organisms when tested by the AOAC Use Dilution method:

*Escherichia coli* ..... ATCC No. 11229  
*Serratia marcescens* ..... ATCC No. 274

#### Fungicidal Activity

Fungicidal performance was confirmed via the AOAC Fungicidal test against:

*Trichophyton mentagrophytes* ..... ATCC No. 9533

Fungistatic (mold and mildew control) activity was confirmed by the method for evaluation of mildewstats on hard surfaces against:

*Aspergillus niger* ..... ATCC No. 6275

#### Virucidal Activity

Virucidal activity was confirmed by current EPA-accepted protocol against:

*Influenza Virus A/Brazil* ..... 11/78 (H1 N1) E-7 1/8/79  
*HIV-1 (Aids Virus)*

**Kills HIV-1 on pre-cleansed 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 decontamination against HIV-1 on surfaces/objects soiled with blood/body fluids.**

**Personal protection:** Clean up should always be done wearing protective latex gloves, gowns, masks, and eye protection.

**Cleaning procedure:** Blood and other body fluids containing HIV must be thoroughly cleaned from surfaces and objects before application of Sanox II.

**Contact time:** Leave surface wet for 1 minute with 2 ounces per gallon use solution.

**Disposal of infectious material:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

#### Herpes Simplex Virus Types 1 and 2 Vaccine

Obtained from the Respiratory Viral Unit of CDC, Atlanta, Georgia.

#### Non-food Contact Surface Sanitizing Activity

For one-step sanitizing/cleaning, Sanox II is recommended at 1:256 or 1 ounce per 2 gallons to achieve 200 ppm active.

**One ounce per 2 ¾ gallons (1:352) yields 150 ppm active quaternary**

Sanitizing activity was confirmed by current EPA protocol for sanitizers on any nonporous surfaces against:

*Staphylococcus aureus* ..... ATCC No. 6538  
*Klebsiella pneumoniae* ..... ATCC No. 4352



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