

FASTRACK[®]

Sanox II[®] Disinfectant Cleaner Specification Sheet

Sanox II disinfectant cleaner kills a broad spectrum of germs and fights mold on contact when used as directed. Sanox II disinfectant-sanitizer kills many illness-causing germs and bacteria, aiding in the reduction of cross-infection. The concentrated formula disinfects hard, non-porous surfaces in animal premises. Sanox II also sanitizes and fights mold, mildew, and fungus in damp or humid areas. Sanox II offers an effective, low-cost biocidal system for farms, veterinary practices, animal care facilities, and animal laboratories.

- Disinfects
- Sanitizes
- Cleans
- Deodorizes
- Effective against many fungus, mildew, viruses, and bacteria



Recommended For

Proper disinfection and sanitation of hard, nonporous surfaces.

Use Sanox II in USDA-inspected food processing facilities, dairy farms, hog farms, poultry houses, kennels, animal quarters, zoos, pet shops, and animal laboratories. Use Sanox II for livestock, poultry, and farm premises sanitation on all hard, nonporous surfaces. Apply to floors, walls, trays, racks, water troughs/dishes, automatic feeders, hauling equipment, chutes, barns, crates, pens, stalls, forks and shovels, and other facilities and fixtures occupied or crossed by animals. **Do not apply directly to animals, even in diluted state.**

Directions for Use

The activity of Sanox II has been evaluated using the use level of 2 ounces per gallon of water (1:64 dilution) in the presence of 5% serum and 400 ppm hard water by the AOAC Use-Dilution Test Standards, and found to be effective against a broad spectrum of gram negative and gram positive organisms. It is also bacterial, fungicidal, and virucidal.

Disinfectant Directions: To disinfect hard, nonporous surfaces, use 2 ounces per gallon of water (1:64 dilution). Treated surfaces must remain wet for 10 minutes.

Disinfectant/Virucidal Directions

1. Apply use-solution to hard, nonporous surfaces with a cloth, mop, sponge, coarse sprayer; or by immersing, thoroughly wetting surfaces.
2. For spray applications, use a coarse spray devise. Spray 6-8 inches from surface and rub with brush, sponge, or cloth. Avoid breathing spray.
3. Disinfection - treated surfaces must remain wet for 10 minutes; Sanitation - treated surfaces must remain wet for 60 seconds. Wipe dry with a cloth, sponge, mop, or allow to air dry.
4. Prepare a fresh solution daily or more often if the solution in use becomes visibly diluted or soiled.
5. After disinfecting food contact surfaces, rinse with potable water. NO NOT use on utensils, glasses, or dishes.
6. If heavily soiled, a preliminary cleaning is required.

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Directions for Use (cont.)

Disinfection of Animal Premises

Use 2 ounces per gallon of water (1:64 dilution).

Poultry and Swine premises:

- Remove all animals and feeds from premises.
- Remove all litter, droppings, and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
- Empty all troughs, tracks, and other feeding and watering appliances.
- Thoroughly clean all surfaces with soap or detergent and rinse with water.
- Saturate surfaces with the recommended disinfecting solution for 10 minutes.
- Immerse all types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers.
- DO NOT use equipment or house animals until the treatment has been absorbed, set, or dried.
- Thoroughly scrub feeding and watering equipment with soap and detergent and rinse with potable water before reuse.

Hatcheries:

- Treat the following hard, nonporous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery vehicles, and other hard surfaces.
- Leave treated surfaces wet for 10 minutes or more.
- Allow to air dry.

Vehicles:

- Clean all mats, crates, cabs, and wheels with high pressure water and Sanox II.
- Leave treated surfaces wet for 10 minutes more.

Dressing Plants:

- Cover or remove all food and packaging materials.
- Remove all heavy soils prior to application.
- Saturate all surfaces (equipment, utensils, walls, floors, and loading platforms) with disinfectant and scrub.
- Leave wet for 10 minutes, then thoroughly rise with potable water before resuming operations.

Veterinary Practices-Animal Care Facilities-Animal Laboratories-Zoos-Pet Shops-Kennels:

- Remove all animals and feeds from premises, animal transportation vehicles, crates, etc.
- Remove all litter, droppings, and manure from floors, walls, equipment, and utensils used or occupied by animals.
- Empty all feeding and water appliances.
- Clean all surfaces with soap or detergent and rinse with water.
- Saturate surfaces for a period of 10 minutes.
- Wipe or allow to air dry.
- 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.
- Ventilate buildings and other closed spaces.
- DO NOT house animals or use equipment until treatment has been absorbed, set, or dried.

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Directions for Use (cont.)

Farm Premises:

- Remove all animals and feed from premises, vehicles, and enclosures.
- Remove all litter and manure from floors, walls, facilities, and fixture surfaces utilized by animals.
- Thoroughly clean all surfaces with soap or detergent and rinse with water.
- Saturate all surfaces for a period of 10 minutes.
- Ventilate buildings, cars, trucks, boats, and other closed spaces.
- DO NOT house livestock or used equipment until treatment has been absorbed, set, or dried.
- Thoroughly scrub all treated feeding equipment with soap or detergent and rise with potable water before reuse.

Recommended Sanitation Directions

to sanitize hard, nonporous environmental non-food contact surfaces, add 2 ounces of Sanox II per 4 gallons of water (1:256 dilution). Treated surfaces must remain wet for 1 minute (60 seconds). Wipe dry with a sponge, mop, or cloth, or allow to air dry. Sanox II meets EPA Sanitizer Test Standards for non-food contact sanitizer at this dilution.

Sanitizing Shoe Baths:

- To prevent tracking harmful organisms into animal areas, utilize a shoe bath containing 1 inch of freshly made use solution.
- Scrape footwear and place in a ½ ounce of Sanox II per 1 gallon of water (1:256 dilution) solution for a minimum of 1 minute (60 seconds).
- Change the use solution in the shoe bath daily or more often if it appears diluted or soiled.

Specifications

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

KEEP FROM FREEZING

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Organisms	Organisms
Bacteria:	Bacteria:
Pseudomonas aeruginosa (Pseudomonas)	Streptococcus pyogenes (Strep)
Staphylococcus aureus (Staph)	Vibrio cholerae
Salmonella choleraesuis (Salmonella)	Viruses:
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)	Animal Viruses:
Klebsiella pneumoniae (Klebsiella)	Avian Influenza Virus
Pseudomonas cepacia (Paesudomonas)	Avian Infectious Bronchitis Virus
Salmonella schottmuelleri (Salmonella)	Newcastle's Disease Virus
Salmonella typhi (Salmonella)	Canine Distemper Virus
Serratia marcescens	Pseudorabies Virus
Shigella dysenteriae (Shigella)	Fungi:
Staphylococcus aureus Methicillin-Resistant (MRSA)	Tricholphyton mentagrophytes (Athlete's Foot Fungus)
Staphylococcus aureus Multi-Drug Resistant	Aspergillus niger
Staphylococcus aureus - Vancomycin Intermediate Reistant (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