



Cleaning & Disinfecting Guidelines For Methicillin Resistant *Staphylococcus Aureus* (MRSA)

This guideline is intended for using Sporicidin® and Contec® brand remediation products in the cleaning and disinfecting/sanitizing of surfaces and materials contaminated with *Methicillin Resistant Staphylococcus Aureus* (MRSA) in residential or commercial structures.

ABOUT MRSA

Methicillin Resistant *Staphylococcus Aureus* (MRSA) is a drug-resistant *Staphylococcus aureus* bacterium that can be found in schools, homes, workplaces, and wherever people congregate. It can invade the body through an open wound, by skin contact with an infected person, or from surfaces that have been cross-contaminated with perspiration (sweat) or other body fluids from an infected person. MRSA is easily spread through contact with used towels, countertops, computers, athletic equipment, drink fountains, door handles, phones, computer equipment, public showers and lockers, and even used bars of soap.

MRSA contamination requires thorough cleaning and disinfection of surfaces, paying special attention to common-use areas where cross-contamination is most likely to occur. **Sporicidin® Brand and Contec® brand disinfectant products contain active ingredients that are EPA-registered to kill MRSA organisms and other disease-causing bacteria, viruses, tuberculosis, mold and mildew. All Sporicidin® and Contec® brand remediation products contain a combination of surfactants that instantly dissolve the soil and biofilm on which MRSA bacteria live.**

1.0 TRAINING

Employees should be trained and experienced in hazardous/infectious material cleaning, removal and disposal procedures, as well as be capable of wearing protective clothing and safety equipment for extended periods of time.

2.0 RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT (PPE)

Personnel performing cleanup operations of this nature should protect themselves with the following PPE:

- 2.1 Respiratory protection (at least N95-level protection)
- 2.2 Full Face Shield or protective hood with splash goggles
- 2.3 Nitrile gloves or rubber gloves
- 2.4 Shoe coverings or rubber boots
- 2.5 Full Skin protection such as smock, gown or Tyvek suit

3.0 RECOMMENDED TOOLS

- 3.1 Misting/Spraying devices, such as pressure sprayer, foaming sprayer, ULV mister or airless sprayer for applying chemical agents and cleaners
- 3.2 Mops & buckets
- 3.3 Trigger sprayers (for applying chemical agents and cleaners)
- 3.4 Contec® QuickConnect™ Mopping System consisting of: (#2725E Stainless Steel 60" handle, #HCP1001 QuickConnec™t Mop Head Frame, #HCPH8005 PREMIRA® Hygienic Backer Plate, #PRMM0001 PREMIRA® II Microfiber Pad 5"x19")
- 3.5 EasyReach® Cleaning Tool 16.5" consisting of: (#2665SF EasyReach® Cleaning Tool lightweight stainless steel with flat mop head, #MEQT0001 EasyReach® Cleaning Pads, quilted polyester for EasyReach® tool)
- 3.6 Portable carpet extractor (if needed, for cleaning carpets and upholstery)
- 3.7 Portable Upholstery Cleaner/Extractor (for cleaning fabric seat cushions and furniture)

4.0 RECOMMENDED CLEANING SUPPLIES

- 4.1 Scrub brushes, sponges, pads or cloths for cleaning surfaces
- 4.2 Paper towels or disposable wipers
- 4.3 Black Heavy-duty leaf/trash bags

- 4.4 Red Duct Tape/Biohazard tape for sealing trash bags containing waste materials

RECOMMENDED SPORICIDIN® AND/OR CONTEC® PRODUCTS

- 4.5 Sporidicin® Disinfectant Solution (gallons or 32 oz. spray bottle)
 4.6 Sporidicin® Disinfectant Towelettes (canister)
 4.7 Sporidicin® Enzyme Cleaner Concentrate or Enzymatic Cleaner (may be used as a cost effective cleaning detergent solution)
 4.8 Contec® Citric Acid Disinfectant (gallons or 32 oz. spray bottle)
 4.9 Sporidicin® Mold & Mildew Stain Remover w/Hydrogen Peroxide (H₂O₂) (gallon or 2.5gal jug)

5.0 SITE PREPARATION & ENGINEERING CONTROLS

Proper planning and preparation is essential in order to safely and effectively clean-up MRSA contaminated areas.

- 5.1 Posting of Warning Signs - Highly visible warning signs should be posted at entry ways to prevent unauthorized or unprotected personnel from entering the contaminated area while work is going on.
 5.2 Bagged material should be clearly labeled as infectious materials and disposed of in accordance with local requirements for infectious waste.

6.0 CLEANING & DISINFECTING/SANITIZING

All commonly used, high-touch contact surfaces and materials within the affected area should be cleaned to remove biofilm and bodily fluids that might contain the MRSA bacteria. **Areas out of reach of normal daily human contact, such as ceilings, recessed light fixtures, and walls surfaces higher than the normal span of reach the average person could touch typically do not need to be remediated.**

Areas for special attention to include:

- Lockers, carts, storage bins, walls, floors, countertops, partitions, door knobs, handles and light switches.
- Shower stalls, sinks, toilets, spas, hot tubs and pools.
- Weight machines, benches, barbells, stationary bicycles, wrestling mats, and other exercise equipment.
- Contact sports body armor, helmets, and contact sports balls. *Special attention should be placed on disinfecting the foam rubber padding of sports gear since these are skin-contact areas where the spread of the MRSA can occur.*
- Drinking fountains, vending machines, tables, desks, and chairs.
- Telephones, fax machines, copy machines, computers, and keyboards.

These areas should be disinfected/sanitization with Sporidicin® Disinfectant or Contec® Citric Acid Disinfectant and can be applied to surfaces with saturated towels or sponges, as well as by misting with a mechanical device, such as a ULV aerosolizing mister, airless sprayer, foaming sprayer, pressure sprayer or trigger sprayer.

*NOTE: The use of ULV foggers should be limited to misting chemical agents onto surfaces in a controlled and precise manner only to achieve the required dwell times stated on the product label. **The use of a fogging device to fill a structure or space with a blanket of chemical fog is not recommended due to potential for oversaturation of building contents, such as carpets, upholstered furniture, drapery and other porous and semi-porous materials.***

6.1 **Hard, non-porous surfaces** – Surfaces such as glass, metal, tile, rubber, plastic, vinyl, porcelain and most painted and glazed surfaces may be disinfected by applying Sporidicin® Disinfectant or Contec® Citric Acid Disinfectant directly to the surface and allow to remain wet for the stated label disinfection dwell time, followed by wiping clean or allow to air dry.

6.2 **Porous surfaces and materials** – Porous surfaces and materials can be very challenging when trying to decontaminate them since the contamination may be so deeply embedded into the material that complete removal may be impossible. The use of EPA registered disinfectants and sanitizers approved and labeled for use in cleaning, deodorizing or sanitizing fabrics and carpets may reduce the amount of contamination to a level deemed safe for use, but no guarantees should be made that the materials are disinfected or completely free of biological contamination.

6.2.1 **Synthetic carpets, rugs, curtains and upholstery** – To clean manually, spray Sporidicin® Disinfectant or Contec® Citric Acid Disinfectant onto carpet or fabric and gently rub into fibers and let dwell for the time stated on the product label, followed by blotting and wiping clean with cloth or sponge. For mechanical cleaning using a carpet/upholstery machine, apply Sporidicin® Disinfectant or

Contec® Citric Acid Disinfectant as a pre-spray application and lightly work into fibers followed by cleaning and extracting with in accordance with machine manufacturer's guidelines.

6.2.2 **Natural fabrics, rugs, curtains and upholstery** – Clean in accordance with manufacturer's guidelines.

6.2.3 **Clothing, linens and other personal fabrics** – Launder contaminated articles per garment label instructions.

NOTE: Laundry machines should be disinfected after washing contaminated materials by spraying the tub, agitator, splash seal and surfaces with Sporidicin® Disinfectant Solution or Contec® Citric Acid Disinfectant, allow to remain for 5-10 minutes, and allow to air dry.

6.2.4 **Tanned leather materials** – Clean materials by wiping the surfaces with a cloth lightly moistened with Sporidicin® Disinfectant Solution, Contec® Citric Acid Disinfectant, or Sporidicin® Disinfectant Towelettes, and allow to air dry.

6.2.5 **Suede and Nu-buck leather material** – Clean according to manufacturer's guidelines.

6.3 **HVAC System** – Since MRSA contamination is typically spread through direct contact with contaminated individuals or surfaces, HVAC internal duct surfaces and components should not need remediating. External ductwork surfaces, grills, grates and registers that are easily accessible and may have been contaminated by infected individuals should be cleaned and disinfected with Sporidicin® Disinfectant or Contec® Citric Acid Disinfectant.

6.4 **Disinfection of Equipment, Tools & Personal Protective Equipment** - All tools, equipment and individual personal protective equipment used in the cleanup of contaminated areas should be cleaned and disinfected using Sporidicin® Disinfectant or Contec® Citric Acid Disinfectant prior to removal from the contaminated area.

7.0 DISPOSAL OF INFECTIOUS MATERIALS

Soiled cleaning materials, such as paper towels, cloths, sponges and mop heads, should be placed in double-bagged trash bags, sealed with duct tape, labeled and disposed of as infectious materials in accordance with local requirements. Used Sporidicin® and or Contec® products can be disposed of by pouring the used liquid down the regular sewer drain and discarding the empty container in the regular trash. Always consult your local waste disposal company or local health department prior to disposing of EPA registered products down the sanitary sewer. Follow local waste disposal regulations.

For additional information contact our office at (800) 424-3733 or visit our website at www.sporidicin.com.

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