

Materials Safety Data Sheet

MDF 500 is a laundry powder that effectively removes mold, mildew as well as smoke odors from fabric and clothing. MDF 500 is also an effective neutralizer of smoke and pet odors leaving the property smelling fresh and clean.

Comparison of MDF-500 with Bleach and Sporacidin:

MODEC MDF-500
ANTIBACTERIAL DISINFECTANT
FUNGICIDE . CLEANER . DEODORIZER

Modec's Decon Formula MDF-500 has been registered for use with the USEPA. Produced under license from Sandia National Laboratories, MDF-500 incorporates patented technologies originally developed to counter chemical and biological warfare toxants.

BACTERICIDAL ACTIVITY

When used as directed MDF-500 exhibits effective disinfectant activity against the organisms: Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, and meets the requirements for hospital use.

FUNGICIDAL ACTIVITY

MDF-500 has been demonstrated to be fungicidal against fungal spores (Trichophyton Mentagrophytes).

REMIEDIATION

As MDF-500 is a disinfectant and neutralizing cleaner, it provides professionals with an unmatched remediation tool. It cleans and restore surfaces and areas affected by mold and its chemical metabolites. In addition, it is safe to use in virtually any indoor remediation application.

RESTORATION

MDF-500 has been shown to be an effective cleaning agent for Microbial Volatile Organic Compounds [mVOC's] and mycotoxins, chemicals byproducts that have been known to be allergenic. MDF-500 mitigates conditions caused by these metabolites of mold, and even retards mold regrowth for an extended period after application.

1. Effective against pathogenic bacteria such as staphylococcus aureus, Salmonella choleraesuis, and Pseudomonas aeruginosa. Kills mold, mildew, and fungal spores (Trichophyton mentagrophytes).
2. Disinfects, deodorizes and cleans hard, non-porous surfaces such as floors, metal surfaces, stainless steel, porcelain, glazed ceramic tile, plastic, bathroom and cabinets. This product deodorizes areas prone to musty or foul odors like garbage cans, basements, and restrooms and from odors caused by microorganisms. A rinse with potable water is required for surfaces in direct contact with food and metal surfaces. Can be used to clean air duct surfaces.
3. Controls mold and mildew on hard, non-porous surfaces, clean stains caused by mold and mildew growth. Retards mold regrowth on surfaces.
4. MDF-500 can be applied to clean and restore other affected surfaces such as cement, sidings, wood drywall, stucco, floors, stucco, walls, fences, decks, painted walls, metal surfaces, stainless steel, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, cabinets, kitchen counters, sinks, appliances, terracotta, planters boxes, humidifier and air conditioner drain pans. Also can be used to deodorize water-damaged carpet. A rinse with potable water is required for surfaces in direct contact with food and metal surfaces. Effective for treating smoke odors from fire, cigarettes, and cigars in home or car.
5. Effectively eliminates odors caused by microorganisms and the root causes of odor. Microbial Volatile Organic Compounds [mVOC's] often have strong and/or unpleasant odors, and can be the source of odors associated with molds. MDF-500 mitigates the odors caused by these

metabolites of mold, including mycotoxins and microbial volatile organic chemicals, and allergens that may be caused by mycotoxins. Safe to use on a variety of surfaces and materials.

6. Combined with a sensible water intrusion remediation and moisture mitigation, MDF will provide surfaces that are mold, mildew, and fungus resistant. Periodic inspections for mold development, both inside and outside are recommended.
7. Determining the suitability of the product for any intended purpose shall be solely the responsibility of the user. There are no warranties, express or implied, including those of merchantability or fitness or particular purpose that extend beyond the description on the label.
8. Modec Decon Formula MDF-500 is registered with the US EPA under No's. 80346-1 (Part A)EPA REG. NO. 80346-2 (Part B) and manufactured in the USA at EPA EST. NO. 65001-CO-01.

The Sandia Decon Formulation has received US. Patent No. 6,566,574 B1.

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