

DF-500

A Professional Remediation Solution




Water, Fire, Mold, Algae, Meth, Trauma and Crime, Duct Cleaning

About DF-500



- Broad spectrum bactericide, virucide and fungicide.
- The most advanced restoration and remediation formulation available today.
- Environmentally safe (*primary oxidizers decompose into oxygen and water*).
- Safe to use in virtually any indoor remediation application (*including hospitals, schools and nursing homes*).
- No PPE (Personal Protective Equipment) required in spray bottle or pump up spray application.
- EPA registered (*Part A: 80346-1, Part B: 80346-2*).
- EPA toxicity rating = 0 (*No significant risk to health*).

Where to Use DF-500


Mold Remediation:

-  Kills mold, mildew, and fungal spores.


Water / Flood and Sewer Damage:

-  Disinfects, deodorizers and cleans hard, non-porous surfaces.
-  Controls mold and mildew on hard, non-porous surfaces.




Fire / Smoke & Other Odors:

-  Eliminates odors from fires, cigarettes, cigars, skunks, and odors caused by microorganisms

Trauma and Crime Scene:








-  Effective in trauma, crime-scene, tear gas and meth lab clean-up.

Facilities / Building Maintenance:




-  Duct cleaning, odor mitigation and cleaning; in apartments, high-rises, commercial buildings, banks, health care facilities, nursing homes, schools and institutions, etc.
-  “Sick building syndrome”
-  Petroleum product spills

DF-500 is Proven Effective Against a Broad Range of Organisms









Virucidal:

-  Avian Influenza A, H₉N₂ (bird flu)
-  Influenza A / B
-  Aids Virus / HIV-1 Virus
-  Herpes Simplex Type 1 & 2
-  Hepatitis C & B
-  Human and Canine Coronavirus
-  Norovirus

Fungicidal:


-  *Aspergillus niger*
-  *Penicillium variable*
-  *Stachybotrys chartarum*

Bactericidal:



-  *Staphylococcus aureus* (MRSA) and *epidermidis*
-  E-coli (ESBL and O157:H7)
-  *Enterococcus faecalis* and *faecium* (VRE)
-  E coli (O157:H7 and antibiotic resistant)
-  *Salmonella enterica*
-  *Streptococcus pyogenes*
-  *Streptococcus salivarius*
-  *Staphylococcus aureus*

The “Decon/omics” of Using DF-500 in Commercial & Large Loss

Less Product – More Coverage:

-  DF 500 is both the safest and strongest product on the market today making it possible to reduce spore counts and neutralize odors in large spaces effectively with a limited quantity of product when compared with other products.

Faster Turnaround time:

-  DF-500 can be used in place of certain remediation equipment and get clients back in their home / business faster while ensuring you “pass the mold test”.
-  When fogged multiple times there is less scrubbing and cleaning and man-power required to remove mold and mildew.

We can assist you in pricing and protocols to fit your specific needs.

Why DF-500 Works so Well

- The Quaternary Amines in part A penetrate the cell wall.
- The Hydrogen Peroxide in part B then oxidizes critical substances inside the cell.
- DF-500 provides two steps in one application.
- DF-500 for smoke works in reverse, the Peroxide finishes the oxidation process started by the fire (this is what causes the odor) and then the detergent in part A is a very effective tool for washing away the soot residue.
- DF-500 is non-corrosive, non-flammable, non-toxic and biodegradable

DF-500 Tips & Tricks

- Odorless – Once dried, does not leave an odor behind.
- A ULV sprayer is the most cost effective method for application.
- Will remain active for 8 hours when wet:
 - The mixed product can be used as a cleaning product after this time.
- Mix solution as necessary for square footage to be treated.
 - Mix equal parts A and B.
- Comes packaged in 4 gallons per box:
 - (2) gallons of Part A and (2) gallons of Part B

DF-500 Product Comparisons

A Safe Product to Use in the Home

	DF-500	Disinfectant Solution	Botanical Disinfectant	Concentrated Quaternary	Disinfectant/ Fungicide	Disinfectant Spray Plus	
Class	Quat	Phenolic	Phenolic	Quat	Quat	Phenolic	Quat
Health Risk	0	1	0	2	3	1	3
1 Gallon Coverage	2,500	1,000 – 1,200	TBD	TBD	TBD	TBD	TBD
Packaging	2 Gallons Mix	1 Gallon RTU	1 Gallon RTU	Concentrate	Concentrate	1 Gallon RTU	Concentrate
Personal Protective Equipment Spray Application	None	None	None	Gloves	Chemical goggles, face shield, working clothing.	Gloves, respirator and eye goggles	Chem. Resistant gloves, goggles, protective clothing & ventilation
Scented	No	Yes	Yes	Yes	Yes	Yes	Yes
Other						Can not be used in California	

Ways to Apply DF-500

- 🌐 **Liquid spray.** Pump-up sprayers or spray bottles can apply DF-500 as a liquid spray. Spraying DF-500 as a liquid is beneficial when treating “hot spots” for mold or pet stains before fogging.
- 🌐 **Foam.** Foaming sprayers inject air into the product to produce a foam. As a foam, the DF-500 product will remain in contact with a surface longer than when applied as a liquid spray.
- 🌐 **Mist / Fog.** ULV foggers (Ultra Low Volume), also known as wet foggers, can apply DF-500 as a spray mist. The mist dispenses the product as an aerosol into an airspace and allows control over the amount of product wetting a surface.

How to Apply DF-500 per Application

- Mold & Mildew: Fogging, spraying, removal of mold, wipe down horizontal surfaces.
- Water Loss: Spraying, mopping, fogging.
- Smoke Odors: Fogging, spraying, wipe down.
- Pet Odors: Fogging, spraying, wipe down, mopping.
- Trauma & Crime Scene: Fogging, spraying, mopping.
- Tear Gas: Fogging, light wipe down horizontal surfaces.
- Meth: Fogging, wipe down horizontal surfaces.
- Algae, all types: Spraying, foaming.
- Carpet: Carpet machine, spraying.

Who is using DF-500?

-  Schools*Libraries*Pools*Gyms*
-  Airports*Rail Stations*Sports Facilities*
-  Police and Fire Department*
-  Seaport Facilities*Hospitals*
-  Sewer and Treatment Facilities*
-  FEMA: Federal Disaster Teams
-  Property Management Companies
-  Taxis*Buses
-  Hotels*Motels*Restaurants*
-  Cruise Ships*Health Clubs*
-  Mold Remediation Companies*
-  Janitorial Services*Carpet Cleaners*
-  Flood Damage Restoration*
-  Air Conditioning Contractors
-  Building and Roofing Contractors*
-  Auto Detailers

Contact Information

We may have the solution to your problem

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EPA REGISTRATION NUMBERS:

PART A: 80346-1

PART B: 80346-2