

80346-1

10/28/2008

1/12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D.C., 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ag-Chem Consulting
c/o for Modec Inc.
12208 Quinque Lane
Clifton, VA 22202

OCT 28 2008

Attention: Matthew Brooks
Regulatory Specialist

Subject: MDF-200 Bottle (Part A)
EPA Reg. No. 80346-1
Amendment Letter Dated July 17, 2008

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided the following label revisions are incorporated:

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4(a) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the accepted labeling is enclosed. Submit three copies of your final printed labeling to the Agency before distributing or selling the product bearing the revised labeling.

If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,

A handwritten signature in black ink, appearing to read "MS" followed by a stylized name.

c/o for Marshall Swindell
Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

2/12

modec inc.
MDF-200 Part A

Modec Decon Formulation
Antibacterial Disinfectant and Cleaner

Cleaner · Mildewstat
Disinfectant · Deodorizer · Fungicide · Algaecide · Virucide

MDF-200 Part A - Active Ingredient:

Alkyl (50% C ₁₄ , 10% C ₁₆ , 40% C ₁₂)	3.2%
Dimethyl benzyl ammonium chlorides	96.8%
Inert Ingredients:	100.0%
Total	100.0%

DANGER

KEEP OUT OF REACH OF CHILDREN.

Corrosive. Causes irreversible eye damage.
SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

This is a proven disinfectant, cleaner, fungicide, mildewstat and virucide (including norovirus).

This product has been shown to control and inhibit mold and mildew on porous and nonporous surfaces.

NET CONTENTS:

December 9, 2008.

ACCEPTED
With COMMENTS
MDM Letter Date

OCT 28 2008

Under the Federal
Fungicide, and
amended
register

80346-1

First Aid

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for further treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

Modac's Decon Formula (MDF)
is Commercially Manufactured
using the Formula Licensed by



Sandia National Laboratories

December 9, 2008

ACCEPTED
WITH COMMENTS
In EPA Letter Dated

2

OCT 28 2008

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
amended, for the purpose of
registration

80346-1

4/12

Modac Decon Formulation
Antibacterial Disinfectant and Cleaner

Advanced Disinfectant System

[Note-ATCC Numbers added are optional text, numbers may not appear on final printed labels]

Technology originally developed and patented by Sandia National Laboratories.

A Serious Product for a Serious Problem

MDF 200 is Produced Commercially using the Formula Licensed by Sandia National Laboratories

Foaming Action

- Inhibits and Retards Growth of Mold, Mildew and Fungus on Porous and hard nonporous Surfaces.
- Shown to be effective against the pathogenic bacteria Staphylococcus aureus, (including MRSA Staphylococcus) Salmonella enterica, and Pseudomonas aeruginosa
- Proven to be effective against Norovirus
- Cleans & Controls Mold Growth on Porous and hard Non-Porous Surfaces as listed on the label
- Cleaner, Mildewstat, Fungicide, Disinfectant, Virucide and Deodorizer
- Used in Schools, Hospitals, Homes, and Commercial Facilities

Before and After
Photo plate 1

**Photos of
Before &
Afer**

**Photos of
Before &
After**

**Photos of
Before &
After**

**Photos of
Before &
After**

**Photos of
Before &
After**

Photo Plate 2

MDF 200 is a breakthrough product based on technology originally developed and patented by Sandia National Laboratories.

MDF 200 is commercially manufactured using the license from Sandia National Laboratories. MDF 200 prevents mildew & fungus (the causative agent for Athlete's Foot, Trichophyton mentagrophytes, ATCC #9533) on hard nonporous surfaces and inhibits the growth of mold, mildew and fungal spores on wooden decks, cement, aluminum siding, wood siding and other porous and non-porous surfaces.

December 9, 2008

3

ACCEPTED
WITH COMMENTS
In EPA Letter Dated

Oct 28 2008
Under the Federal Insecticide,
Fungicide, and Rodenticide
Act, for the pesticide
registered under EPA #

80346-1

MDF 200 effectively cleans and disinfects all hard nonporous surfaces including those in basements and bathrooms as well as metal, plastic and glazed ceramic tile.

MDF 200 cleans and inhibits the growth of mold and mildew on porous surfaces of fences, cement walkways, aluminum siding, wood, painted walls, metal, plastic, stucco, planters boxes, terracotta, and ceramic tile.

MDF 200 is an effective biocide that cleans basements, bathrooms, fences, walkways and any other place mold grows.

STOPS MOLD COLD

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Wear protective eyewear such as goggles, face shield or safety glasses. Wear chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

When Applied as an Aerosol

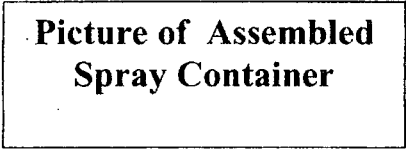


Photo Plate 3

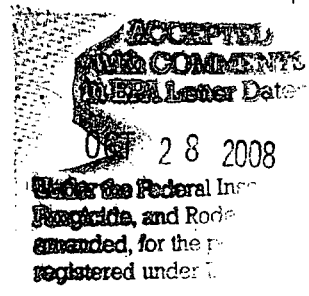
ASSEMBLY: MDF 200 is a two part system. Fill empty mixing container with equal portions of Part A and Part B. Screw mixing container onto the spray-bridge (dip-tube side). Snap aerosol container onto the small end of spray-bridge making sure container is firmly seated.

USE: Depress round actuator tab of spray-bridge to dispense newly mixed solution.

Note: To prevent the possibility of spraying pure propellant from the aerosol container, do not allow liquid in mixing bottle to become empty during use. The combined liquid from Parts A & B remains active for 12 hours after mixing. Product must remain in contact with surface area for a minimum of 10 minutes.

Contents of aerosol container is under pressure. Do not puncture or incinerate container. Do not expose to heat, fire, sparks or flame. Do not store at temperatures above 120F.

December 9, 2008



80346-1

6/12

Intentional misuse by intentionally or deliberately concentrating and inhaling contents can be harmful or fatal.

DIRECTIONS FOR USE

[Note-ATCC Numbers added are optional text, numbers may not appear on final printed labels]

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. The product is designed specifically as a general cleaner and disinfectant for use in homes, hospitals, and commercial facilities. It is formulated to disinfect hard, non-porous, inanimate environmental surfaces such as floors, walls, metal surfaces, stainless steel, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, hard nonporous cabinets, and walls of swimming pools. May be used in the kitchen on non-food contact surfaces. In addition, this product deodorizes areas that are hard to keep fresh smelling including garbage cans, basements, restrooms and areas prone to odors caused by microorganisms.

MODEC DECON FORMULA -- "MDF" is a binary (two part) system. Before use, mix equal parts of MDF PART A and MDF PART B. Apply the newly mixed solution as a spray onto surfaces as directed below.

PRE-CLEANING - Prior to disinfection of surfaces, spray the mixture (Part A and Part B) onto the surface and allow to penetrate (about 2 minutes), and then clean all surfaces thoroughly.

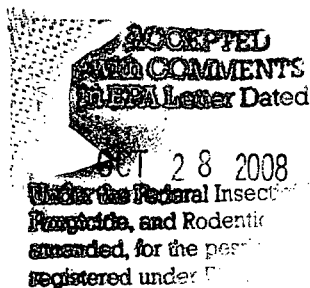
DISINFECTION - To disinfect surfaces apply the mixture and allow to remain wet for ten minutes. No scrubbing is necessary. The product will not leave grit. When used as directed, this product exhibits effective disinfectant activity against the organisms: Staphylococcus aureus (ATCC 6538, HIP-5836), including Methicillin-Resistant Staphylococcus aureus (MRSA Staphylococcus, ATCC 33592), Staphylococcus epidermidis (ATCC 12228), Salmonella enterica (ATCC 10708), Pseudomonas aeruginosa (ATCC 15442), Klebsiella pneumoniae (ATCC 4352), Proteus mirabilis (ATCC 9240), Vancomycin-Resistant Enterococcus faecalis (ATCC 51299) and Enterobacter aerogenes (ATCC 15038), Escherichia coli (0157:H7), (ATCC 43888), Escherichia coli (ESBL), (ATCC BAA-196), and Listeria monocytogenes (ATCC 19117). This product meets the requirements for hospital use.

VIRUCIDAL ACTIVITY - When used as directed, this product is virucidal against Influenza A (ATCC VR-544) and Influenza B (VR-823) virus as well as Norovirus (Feline Calicivirus (ATCC VR-782) was tested as surrogate).

FUNGICIDAL ACTIVITY -- MDF-200 has been demonstrated to be fungicidal on hard non porous surfaces against *Trichophyton mentagrophytes* (ATCC 9533), *Aspergillus niger* (ATCC 6275 and 1015) and *Penicillium variabile* (ATCC 52262). Remove gross filth and debris from the surface along with any mold that can be removed by hand.

December 9, 2008

5



80346-1

Apply a blended mixture of equal parts MDF-200 Part A and MDF-200 Part B as a spray onto a mold afflicted surface and allow to stand for 10 minutes.

FUNGISTATIC ACTIVITY - MDF-200 has been demonstrated to be fungistatic on porous and nonporous surfaces. Apply a blended mixture of equal parts of MDF-200 Part A and MDF-200 Part B to the surface to be treated and let dry.

MOLD and MILDEW CONTROL - This product controls mold and mildew on porous and hard nonporous surfaces. Clean the surface to be treated, then spray with the product, making sure to wet completely. Let the surface air dry but surface must remain wet for at least 10 minutes. Reapply as necessary.

DEODORIZING - MDF-200 is an effective deodorizer when applied to areas affected with:

- Pet odors
- Food odors
- Putrefying odors
- Smoke odors

Always check fabric surfaces for colorfastness when applying MDF-200. Remove gross filth. Mix equal parts of MDF 200 PART A and MDF 200 PART B and apply to surfaces until they appear wet to eliminate odors. Allow product to air dry or surface to remain wet for at least 10 minutes.

SWIMMING POOL APPLICATIONS - When used as directed, this product may be used as an algaecide to treat walls of swimming pools. Mix equal parts of MDF 200 Part A and MDF 200 Part B prior to application.

ALGAECIDE USE - After draining or before filling pool, spray and scrub walls with product. Allow to remain on surface for 30 minutes prior to rinsing.

TO CLEAN BY SPRAY APPLICATIONS - For outdoor use on cement, aluminum and wood siding, wood decks and roofs to inhibit the growth of mold and mildew.

REMOVES STAINS FROM SURFACES - MDF-200 may be used to clean surfaces. Mix 4 ounces of MDF PART A and Part B into one gallon of water. Apply liberally to coat surfaces and allow to remain wet for 30 minutes. Scrub surface with sponge to remove stains.

SPRAYING - MDF is a binary (two part) system. Mix equal parts of MDF PART A and MDF PART B directly into ULV spray equipment. Apply mixed product at a rate of 1 ounce to 100-sq. ft. of surface area. Allow surface to air dry or remain wet for at least 30 minutes.

STORAGE AND DISPOSAL - Do not contaminate water, food, or feed by storage or disposal.

December 9, 2008

ACCEPTED⁶
 WITH COMMENTS
 (Initials/Date)
 DEC 28 2008
 Under the Federal Insect
 Fungicide, and Rodenticide
 Act, for the pest
 registered under EPA
 80346-1

8/12

STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Wrap container and put in trash.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Triple rinse or pressure rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two or more times.

EPA REG. NO. 80346-1 (Part A)
EPA EST. NO. 65001-CO-01

US. Patent No. 6,566,574 B1 Made in USA

Manufactured by Modec, Inc. - 4725 Oakland Street
Denver, Colorado 80239 - 800-967-7887
1-800-967-7887 - www.deconsolutions.com
info@deconsolutions.com

ACCEPTED
With COMMENTS
In EPA Letter Dated
MAY 28 2008
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
extended, for the period
registered under EPA

December 9, 2008

80346-1⁷

9/12

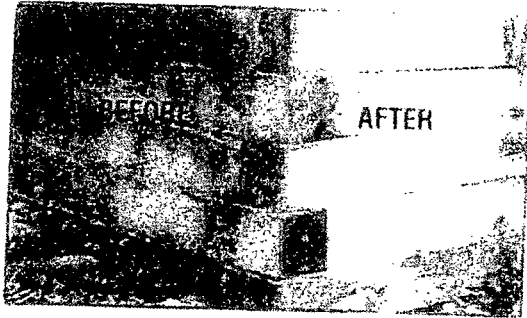


Photo Plate J



BEFORE



AFTER



BEFORE



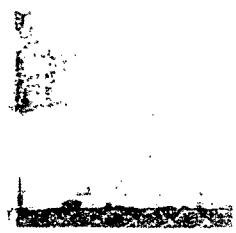
AFTER



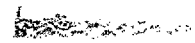
BEFORE



AFTER



BEFORE



AFTER

Photo Plate K

ACCEPTED
WITH COMMENTS
 In EPA Letter Dated

OCT 28 2008

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is amended, for the pesticide registered under EPA #

80346-1

10/10



ASSEMBLY & USE. MOLD SOLUTION
 s 1 spray (2-part) system. Assemble for use
 immediately by inserting the tube into spray
 tip. Fill empty mixing container with equal
 portions of Part A and Part B. Place an
 tube into mixing container and screw on
 tightly to seal. Attach small end of tube
 attachment into power spray, ensuring
 attachment is seated firmly. The chemical
 liquid remains active for 12 hours after
 mixing and must be in contact with the
 surface of all surfaces to be treated.
 300 square feet

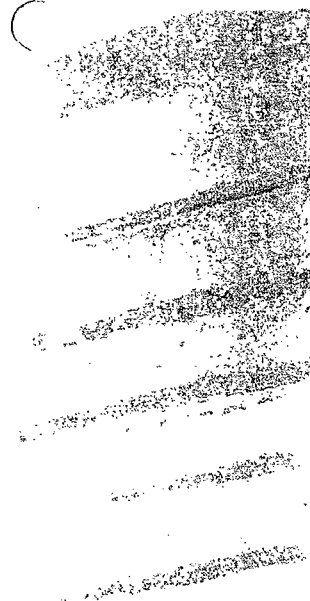
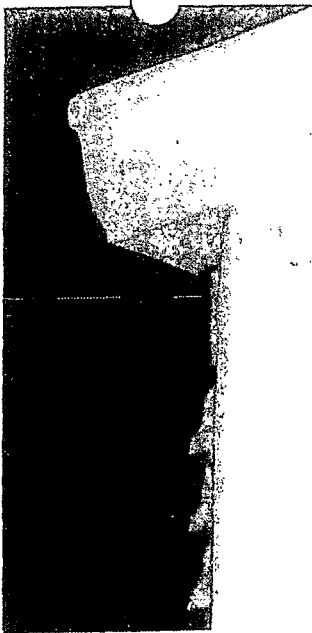
Photo Plate 3

ACCEPTED
WITH COMMENTS
In EPA Register Data
 OCT 28 2008

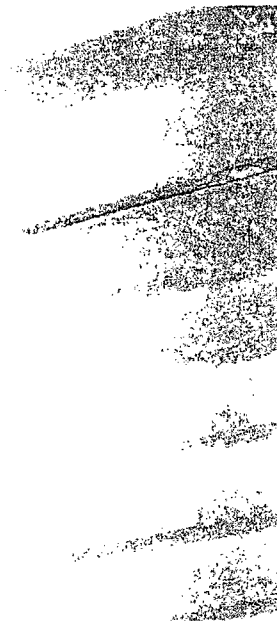
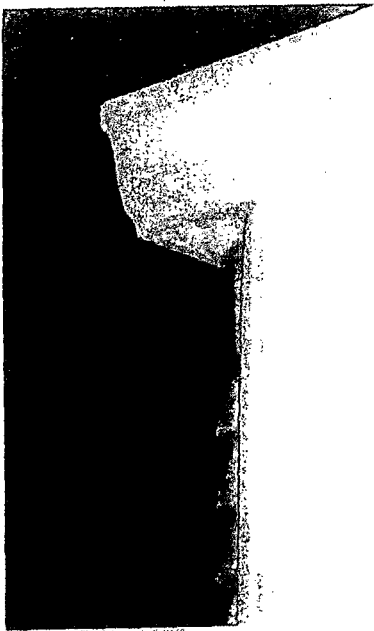
Under the Federal Insect
 Fungicide, and Rodenticide
 Act, this pesticide is
 registered under EPA R.

80346-1

11/12



siding before
image_0027.jpg



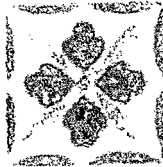
siding after
01302006 (6).jpg

10

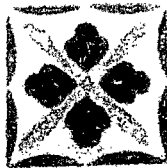
ACCEPTED
with COMMENTS
in EPA Letter Dated
08/28/2008
Under the Federal Insecticide,
Fungicide, and Rodenticide
Act, amended, for the pesticide
registered under EPA Reg.

80346-1

12/12



tile before
YE6K1240.jpg



tile after
YE6K1243.jpg

**ACCEPTED
AND COMMENTS
in EPA Letter Dated**

OCT 28 2008
**Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No**

80346-1