



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 14, 2018

Dr. Mathew Brooks  
Regulatory Consultant  
Span-World LLC c/o Ag-Chem Consulting  
12644 Chapel Rd. Suite 108  
Clifton, VA 20124

Subject: Notification per PRN 98-10 – Add alternate brand name, correct statements under the direction for use, correct storage and disposal statements, correct name and address  
Product Name: MDF 200 Part A  
EPA Registration Number: 91899-1  
Application Date: July 27, 2018  
Decision Number: 543124

Dear Mr. Brooks:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

The following alternate brand names have been added to the product record:

- ASA-1000 Part A

Page 2 of 2  
EPA Reg. No. 91899-1  
Decision No. 543124

If you have any questions, you may contact Zebora Johnson at (703) 308-7080 or via email at [johnson.zeboraj@epa.gov](mailto:johnson.zeboraj@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Zeno Bain".

Zeno Bain, Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Accepted label

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

11/14/2018

**MDF-200 Part A**

**[ABN : ASA-1000 Part A]**

**Antibacterial · Cleaner · Mildewstat · Decontaminant  
Disinfectant · Deodorizer · Fungicide · Algacide · Virucide**

**MDF-200 Part A - Active Ingredient:**

Alkyl (50% C<sub>14</sub>, 10% C<sub>16</sub>, 40% C<sub>12</sub>)

Dimethyl benzyl ammonium chlorides..... 3.2%

**Inert Ingredients:**..... 96.8%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**Corrosive. Causes irreversible eye damage.  
See Back Panel for Additional Precautionary Statements**

**MDF-200 is a proven disinfectant, cleaner, fungicide, mildewstat and virucide (including Norovirus and H1N1). This product has been shown to control and inhibit mold and mildew on porous and nonporous surfaces.**

**NET CONTENTS: (1 gallon, 5 gallons, 250 gallons)**

**EPA REG. NO. 91899-1 (Part A)**

**EPA EST. NO**

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

**Manufactured For Span-World LLC**

**P.O. Box 18155**

**Golden CO 80402 303-918-9923**

<b>First Aid</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p><b>NOTE TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call 1-800-222-1222 for emergency medical treatment information.</p>	

## 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.

**[]- Denotes sections of optional language or instruction**

**[The following statements may or may not appear on some labels]**

### Advanced Chemistry for the Professional Remediator

Technology originally developed and patented by Sandia National Laboratories.

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

Broad spectrum biocidal activity

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

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

MDF-200 is commercially manufactured under a license from Sandia National Laboratories. Modec MDF-200 prevents mildew & fungus (the causative agent for Athletes's Foot, Trichophyton mentagrophytes) on hard non porous surfaces and inhibits the growth of mold, mildew and fungal spores on stained wooden decks, aluminum siding, wood siding and other porous and non-porous surfaces.

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 painted fences, aluminum siding, painted and stained wood, painted walls, metal, plastic, planters boxes, and ceramic tile.

- Foaming Action
- Coverage up to 200 sq. ft.
- Inhibits and Retards Growth of Mold, Mildew and Fungus
- Shown to be effective against the pathogenic bacteria Staphylococcus aureus, Salmonella enterica, and Pseudomonas aeruginosa
- Cleans & Controls Mold Growth on Porous and hard Non-Porous Surfaces
- Cleaner, Mildewstat, Fungicide, Disinfectant and Deodorizer
- This technology is Used by professionals for remediation in Schools, Hospitals, Homes, and Commercial Facilities
- Technology originally developed and patented by Sandia National Laboratories. Used by Professionals in Schools, Hospitals, Homes & Commercial Facilities
- Professionals recommend appropriate eye and respiratory equipment be worn when undertaking mold abatement procedures
- Propellant Cartridge: Aerosol Container, Spray-bridge & Dip Tube
- Part A
- Part B
- Mixing Bottle
- Insert
- A Serious Product for a Serious Problem
- Mix, Spray and Wipe Away

- STOPS MOLD COLD!
- Kills Mildew and Fungus
- Kills Mildew and Fungus, such as those that cause Athlete's Foot, on hard non porous surfaces
- Inhibits Mold and Fungal Spores
- Disinfects & Deodorizes
- For Indoors and Outdoors
- Inhibits the growth of mold, and mildew, on wooden decks, cement, aluminum, and wood siding and other porous and non-porous surfaces.
- Effectively cleans and disinfects all hard, nonporous surfaces including those in basements and bathrooms as well as metal, plastic and ceramic tile.
- Contents: Propellant Cartridge: Aerosol Container Net Wt. 1 oz (28 g)
- Spray Bridge & Dip Tube
- Part A: 5 oz. (147 ml)
- Part B: 5 oz. (147 ml)
- Mixing Bottle
- Cleans and inhibits the growth of mold and mildew on porous surfaces of fences, cement walkways, siding, wood, painted walls, stucco, planters boxes, and terracotta.
- Remove Stains from surfaces prior to mold and mildew treatment. May be used to clean surfaces. Spray liberally to coat surfaces and allow to remain wet for 30 minutes. Scrub surface with sponge to remove stains.

**[ATCC Numbers May not appear on labels]**

#### DIRECTIONS FOR USE

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. If used on food contact surfaces, rinse with potable water prior to food contact. 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.

**USE DIRECTIONS** – MDF-200 is a binary (two part) system. Part A is a surfactant formulation; Part B is a hydrogen peroxide based formulation. Thoroughly mix EQUAL VOLUMES of PART A and PART B. Apply the solution as a spray onto surfaces as directed below. Allow the product to remain on the surface for 10 minutes. The mixed solution has an efficacious pot life of 8 hours.

**PRE-CLEANING** - Prior to use on surfaces, remove gross filth, spray the mixture (Part A and Part B) onto the surface and allow to penetrate (about 2 minutes), and then clean thoroughly.

**DISINFECTION** – Follow Pre-Cleaning instructions listed above. To disinfect surfaces, apply the mixture and allow to remain wet with product for 10 minutes. No scrubbing is necessary. The product will not leave grit. The product exhibits disinfectant activity against *Staphylococcus aureus*, *Salmonella enterica*, *Pseudomonas aeruginosa* and *Listeria monocytogenes* and meets the requirements for hospital use. When used as directed, MDF-200 has been demonstrated to provide disinfection efficacy on hard non porous surfaces against the following organisms;

<b>Organism</b>	<b>ATCC #</b>
<i>Staphylococcus aureus</i>	6538
Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA <i>Staphylococcus</i> )	33592
<i>Staphylococcus epidermidis</i>	12228
<i>Salmonella enterica</i>	10708
<i>Pseudomonas aeruginosa</i>	15442
<i>Klebsiella pneumoniae</i>	4352
<i>Proteus mirabilis</i>	9240
Vancomycin-Resistant <i>Enterococcus faecalis</i>	51299
<i>Enterobacter aerogenes</i>	15038
<i>Escherichia coli</i> (0157:H7)	43888
<i>Escherichia coli</i> (ESBL)	BAA-196
<i>Listeria monocytogenes</i>	19117

**VIRUCIDAL ACTIVITY** – Follow Pre-Cleaning instructions listed above. To eliminate viruses on hard non-porous surfaces, apply the mixture and allow to remain wet for 10 minutes. This product is virucidal against Influenza Type A (including H1N1), Influenza Type B and Norovirus (Feline Calicivirus Surrogate). When used as directed, MDF-200 has been demonstrated to provide disinfection efficacy on hard non porous surfaces against the following viruses;

<b>Virus</b>	<b>ATCC #</b>
Influenza A	VR-544
Influenza B	VR-823
Norovirus (Feline Calicivirus Surrogate)	VR-782

**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 variable* (ATCC 52262). Follow Pre-Cleaning instructions listed above and remove any mold that can be removed by hand. 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 remain wet with product for 10 minutes.

<b>Fungi</b>	<b>ATCC #</b>
Trichophyton mentagrophytes	9533
Aspergillus niger	1644
Penicillium variable	522620

**FUNGISTATIC ACTIVITY** – MDF-200 has been demonstrated to be fungistatic on porous and non-porous surfaces. Follow Pre-Cleaning instructions listed above and remove any mold that can be removed by hand. Apply a blended mixture of equal volumes of MDF-200 Part A and Part B to the affected surface until thoroughly wet. Allow surface to remain wet for at least 10 minutes. Let dry.

**MOLD & MILDEW CONTROL** – This product controls mold and mildew on porous and hard non-porous surfaces. Follow Pre-Cleaning instructions listed above, then spray with the product, making sure to wet completely. Let the surface air dry but the 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 algacide to treat walls of swimming pools.

**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 metal 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** – Mix equal parts of PART A and PART B directly into ULV spray equipment. Apply mixed product at a rate of no less than 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.

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

**PESTICIDE DISPOSAL** – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

**CONTAINER HANDLING** – Nonrefillable container. Do not reuse or refill this container. 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  $\frac{1}{4}$  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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Span-World. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Span-World makes no other warranties, express or implied, of the merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Span-World is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Span-World disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damage resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Span-World's election, the replacement of product.