



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 13, 2016

Bob MacDonald  
Agent for Laboratoire M2  
Scientific & Regulatory Consultants, Inc.  
201 W Van Buren Street  
Columbia City, IN 46725

Subject: Notification per PRN 98-10 – Updating and adding alternate marketing Language, and updating the corresponding graphics to the master label.  
Product Name: Thymox® Disinfectant Spray  
EPA Registration Number: 87742-1  
Application Date: November 22, 2016  
Decision Number: 523980

Dear Mr. MacDonald,

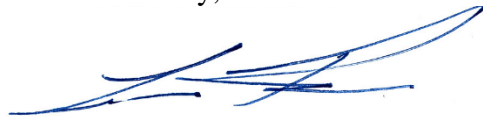
The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls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

If you have any questions, you may contact Lorena Rivas at 703-305-5027 or via email at [rivas.lorena@epa.gov](mailto:rivas.lorena@epa.gov).

Sincerely,

A handwritten signature in blue ink, consisting of several overlapping, fluid strokes that form a cursive name.

for

Jacqueline Hardy, Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Notification Label

{Master Label}

**Thymox ® Disinfectant Spray** {on front label}

[For [Household][,] [Hospitals][,] [Institutional] [and] [Industrial] Use] [One-step Hospital Disinfectant Cleaner]

[Thymox® Disinfectant Spray][our formula] [This product] [is a patented technology][formula] [and] [kills] [destroys] [eliminates] [the following] [household] [germs][microbes] [microorganisms] [commonly found on household surfaces] [.]

[Thymox® Disinfectant Spray][This product is] [a] [one-step] [hospital] [disinfectant-cleaner] [Bactericidal][,] [and] [Tuberculocidal] [Mycobactericidal] [,] [and] [Fungicidal][according to the AOAC Germicidal Spray Method][and] [Virucidal\*][according to the ASTM Standard Test Method for Efficacy of Virucidal Agents][.]

ACTIVE INGREDIENT:

Thymol ([present as]a component of thyme oil)..... 0.23%

OTHER INGREDIENTS:..... 99.77%

Total..... 100.00%

{on front label}

**Keep Out Of Reach Of Children** {on front label}

{CAUTION {on front label}}

Manufactured by  
Laboratoire M2  
4005-A, Rue de la Garlock, Sherbrooke  
Québec, J1L 1W9 CANADA

EPA Reg. No. 87742-1

EPA Est. No. 87742-CAN-001

{The contents, in US measurement, will appear on the front label}

Net content [XXX] fl oz [xxx mL]

**NOTIFICATION**

87742-1

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:

12/13/2016

Made in {country}  
Manufactured for {name of distributor}  
{address of distributor}  
[{phone number of distributor}]  
[{website of distributor}]

[The efficacy of] [Thymox® Disinfectant Spray] [this product] [was shown in the presence of 5% organic serum] [.] [against][:] [is effective against] [kills][eliminates]:]

[99.99% of] [Bacteria][specifically] [Staphylococcus aureus] [Salmonella enterica (choleraesuis)] [Pseudomonas aeruginosa] [Escherichia] [E. coli] [Escherichia] [E.] [coli O157:H7] [Methicillin-Resistant] [Staphylococcus] [S.] [aureus] [MRSA] [Vancomycin-Resistant] [Enterococcus faecalis] [VRE] [Listeria monocytogenes] [Listeria] [Klebsiella pneumoniae] [K. pneumoniae] [- NDM-1 positive] [Streptococcus suis] [after a contact time of two minutes].

[99.99% of] [Fungi and molds] [specifically] [Trichophyton mentagrophytes] [Athlete's Foot Fungus] [Candida albicans] [after a contact time of three minutes].

[99.9% of] [Viruses\*] [specifically] [\*Human Coronavirus] [\*HIV-1\* [AIDS virus]] [\*Swine Influenza A] [\*Pandemic Human Influenza A] [(H1N1)][after a contact time of one minute].

{The following claim may appear on the label:}

[Respiratory illnesses attributable to Severe Acute Respiratory Syndrome ("SARS") are caused by a Coronavirus. Thymox® Disinfectant Spray is a broad-spectrum hard surface disinfectant that has been shown to be effective against other similar viruses.]

**[PANDEMIC 2009 H1N1 INFLUENZA A VIRUS]**

{One of the following claims may appear on the label}

[This product [Thymox® Disinfectant Spray] has demonstrated effectiveness against Swine Influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).]

[Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. This product [Thymox® Disinfectant Spray] is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).]

[This product [Thymox® Disinfectant Spray] has demonstrated effectiveness against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).]

[Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).]

[Kills Pandemic 2009 H1N1 Influenza A virus.]

{The following claims and instructions may appear on the label:}

**\*KILLS HIV-1 ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of HIV-1(associated with AIDS).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, use disposable [protective] [latex] gloves, gown, masks and eye protection.

**CLEANING PROCEDURES:** Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of [Thymox® Disinfectant Spray][this product].

**CONTACT TIME:** Allow surface to remain wet for 1 minute. A 2 minute contact time is needed for bacteria and a 3 minute contact time for fungi.

**DISPOSAL OF INFECTIOUS MATERIAL:** Blood/body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Heavily soiled [or greasy] [area] [surfaces] require a pre-cleaning.

*{The following use directions for cleaning may appear on the label:}*

**TO CLEAN [and][&][DEODORIZE]:** [Apply][Spray] the product [on] [to] [the soiled] [area][surface] [and][&] wipe clean. [To] [dislodge] [remove] [eliminate] [stubborn] [tough] [heavy][stains][dirt][soil] [allow][let] [leave] [product] [to] [stand] [act] [for][1][2][3][4][5][minutes][a few minutes][and][&] [wipe clean.]

**TO DISINFECT:** [Spray to] [thoroughly][completely] [wet] the surface [to be disinfected] with [the][product][spray][Thymox® Disinfectant Spray] [(spot test to check compatibility [with the surface])]. [Let][Allow to][Leave for][stand] [3 minutes to eliminate fungi] [,] [2 minutes to eliminate bacteria] [,] [3 minutes to eliminate M. bovis BCG [TB]] [and] [1 minute to eliminate viruses\*] [,] [Allow to air dry.] [If desired, wipe dry.]

*{One of the following statement will appear on the label:}*

- 1- No rinsing [or wiping] required on non-food contact surfaces except on direct food contact surfaces which require a potable water rinse after treatment.
- 2- On food contact surfaces, a rinse with potable water is required.

Food products and packaging materials must be removed or carefully protected prior to using this product.

*{The following use directions for sanitization may appear on the label:}*

**TO SANITIZE:** [Spray to] [thoroughly][completely] [wet the surface to be sanitized with] [the] [product] [spray][Thymox® Disinfectant Spray]. [Let][Allow to][Leave for][stand] [30 seconds] [,] [No rinsing required on non-food contact surfaces.] On food contact surfaces, a rinse with potable water is required. Food products and packaging materials must be removed or carefully protected prior to using this product. This product is effective as a Non-Food Contact Sanitizer on hard non-porous surfaces against Enterobacter aerogenes and Staphylococcus aureus in 30 seconds.

*{The following use directions for Farms Premises and Veterinary use may appear on the label:}*

**[FARM PREMISES AND VETERINARY USE:**

1. Remove all animals and feed from premises, vehicles, and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with the disinfecting solution for a period of [3 minutes for fungi] [,] [2 minutes for bacteria] [and/or] [1 minute for viruses\*]
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Rinse all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with potable water before reuse.]

[You can][Use][Thymox® Disinfectant Spray][this product] [in] [on the following hard non-food, non-porous surfaces:] [and] [locations:]

[the kitchen] [the bathroom] [your house] [public areas] [the office] [Medical] [Dental] [Offices] [Waiting room] [Health Care Facilities] [Clinics] [Hospitals] [Nursing Homes] [Day Care Center] [Nurseries] [Ambulances] [Institutional Kitchens] [Cafeterias] [Stores] [Restaurants] [Food Processing Plants]	[Public Restrooms] [Taxis] [Hotels and Motels] [Institutional facilities] [Correctional facilities] [Military Installations] [Schools] [Church] [Dormitory] [Classrooms] [Colleges] [Athletic facilities] [Shower and Bath areas] [Barber Shops, Beauty and Tanning Salons] [Airports/Airplanes] [Farms (Livestock; Dairy; Fruits and Vegetables ) [Zoos]
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[You can][Use][Thymox® Disinfectant Spray][this product] [Suitable for use] [on][any][all][hard, non-porous surfaces] [where] [bacteria][virus\*][microbes][microorganisms] [germs] [or] [strong] [unpleasant] [odors] [reside][are [usually] present] [are likely to be present] [are a concern][.] [including] [such as] [:.].]

[Countertops] [Stovetops] [Refrigerator exteriors] [Trash Cans] [Floors] [Garbage cans] [[Children's][School][Toys] – rinse with potable water after application of Thymox® Disinfectant Spray] [Appliance exteriors] [Baby Furniture] [Changing tables] [Cribs] [Highchairs] [Diaper Pails] [Telephones] [Door handles] [Keyboards] [Grill exteriors]	[PPE (personal protective equipment)] [Hard, non-porous surfaces of Sinks] [Bathtubs] [Vanities] [Walls] [Windows] [Mirrors] [Toilet seats] [Hard sporting equipment] [(Cups)][Helmets] [Examination Tables] [Patient Chairs] [Tables][Door] [Hard, Patio Furniture]
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[The product] [It] [will not] [harm] [damage]]

[Use on][hard] [Non-porous] [materials][surfaces] [such as]:[.].]

[Metal] [Glazed Ceramic] [Glazed Porcelain] [Glazed enameled surfaces] [Glass] [Sealed Marble] [Steel] [Stainless Steel]	[Brass] [Aluminum] [Sealed Concrete] [Plastic (such as polypropylene, polystyrene, polyethylene, PVC) ] [Glazed Tile] [Sealed Fiberglass] [Sealed [or Varnished] wood]
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*{The following is only for products with medical devices listed on label: }*

Note: This product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

{The following directions for Storage and Disposal will appear on the label according to the intended use}

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{HOUSEHOLD OR RESIDENTIAL USE}

**STORAGE AND DISPOSAL**

Store at room temperature [20-25C][68F-77F] in a secure area inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or discard in the trash.

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{NONREFILLABLE CONTAINERS FOR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL USES – ALL SIZES}

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store at room temperature [20-25C][68F-77F] in a secure area inaccessible to children.

**PESTICIDE DISPOSAL:** Use up product in accordance to use directions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill empty container. Triple rinse promptly, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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{REFILLABLE CONTAINERS FOR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL USES – ALL SIZES}

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store at room temperature [20-25C][68F-77F] in a secure area inaccessible to children.

**PESTICIDE DISPOSAL:** Use up product in accordance to use directions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat this procedure two more times. For final container disposal: offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[New! ] [Brand New! ] {up to 6 months after date of first sale}

[Kills] [Reduces][Disinfects][Eliminates] [over] [99.99% of] [household] [bacteria] [germs] [viruses\*] [in 3 minutes] [on hard, nonporous surfaces] [specifically] [including] [such as]

[Staphylococcus aureus] [S. aureus] [Staph]  
[Salmonella enterica] [(choleraesuis)] [S. enterica] [Salmonella]  
[Pseudomonas aeruginosa] [P. aeruginosa] [Pseudomonas]  
[Escherichia coli] [E. coli]  
[Escherichia coli O157:H7] [E. coli O157:H7]  
[Methicillin-Resistant] [Staphylococcus [S.] aureus [MRSA]  
[Vancomycin-Resistant] [Enterococcus faecalis] [VRE]  
[Listeria monocytogenes] [Listeria]  
[Klebsiella pneumoniae – NDM-1 positive] [K. pneumoniae NDM-1]  
[Streptococcus suis] [S. suis] [Streptococcus]  
[in 2 minutes] [on hard, nonporous surfaces]

[Trichophyton mentagrophytes][Athlete's Foot Fungus][[T.][Trichophyton] [mentagrophytes][ment.]]  
[Candida albicans] [C. albicans] [Candida]  
[in 3 minutes] [on hard, nonporous surfaces]

[\*Human Coronavirus] [\*Coronavirus]  
[\*HIV-1\*] [AIDS virus]  
[Swine\*Influenza A][H1N1] [pandemic \*Influenza A H1N1]  
[in 1 minutes] [on hard, nonporous surfaces]

[Mycobacterium bovis BCG] [M. bovis BCG][Mycobacterium bovis (TB)] [in 3 minutes] [on hard, nonporous surfaces]

[Broad-Spectrum Disinfectant] [Disinfectant]  
[All purpose Cleaner]  
[Kitchen Cleaner]  
[Bathroom Cleaner]  
[General Household Cleaner]  
[Disinfecting] [Disinfectant] [Cleaner][Cleaning][Spray]  
[Disinfectant Cleaner Spray]  
[For everyday use]  
[Tough on dirt][!]  
[Heavy Duty]  
[Cleaner and Disinfectant] [in a single bottle! ]  
[2 in1 Household Cleaner & Disinfectant]  
[One Step Cleaner & Disinfectant]  
[Disinfects and cleans] [!] [at the same time]  
[Deodorizes]  
[Effectively][Controls][unpleasant][strong][odors]  
[Deodorizer]  
[Cleans, disinfects and deodorizes] [!][and leaves a fresh botanical scent]  
[Cleans and Disinfects without bleaching]  
[Free from] [chlorine][,] [and][or][phosphate]  
[Non abrasive formula] [Non-Abrasive formula]  
[Disinfects] [as it cleans] [while you clean]  
[Disinfectant Cleaner]  
[Multi-Surface Cleaner]  
[It][Cuts grease][&] [and] [grime]

[It's Both (A Heavy Duty Cleaner and Disinfectant)]  
[Odor Eliminating] [Forever Fragrant]  
[A] [Cleaning and Disinfecting Formula]  
[Streak-free][Sparkling shine]  
[Ready to Use [(RTU)] ]  
[A better way to clean]

[Try it on your mirrors!]  
[Contains] [no Chlorine]  
[Contains] [no Phosphates]

[Botanically derived active ingredient]  
[Essential Oils Technology]  
[Thymol, [is] a component of Thyme Oil]

[Cleaning Thyme!]  
[Thyme for change!]  
[Cuts Cleaning Thyme!]  
{name of actual scent in product} [scent]

{Product scent name}

[It] [Leaves a] [Fresh] [pleasant] [Thyme ] [scent]

[It] [Leaves a] [pleasant] [Fresh] [and] [clean] [Thyme ] {name of actual scent in product} [aroma]

[It] [Leaves a botanical scent]

{These claims only if no artificial odor is actually added to the product}

[Contains] [no fragrance]  
[No [artificial] fragrance added]  
[Fragrance free]

[Disinfects bacteria, fungi and viruses\* in 3 minutes!] [3 min kill time]

[Kills bacteria, fungi and viruses\*] [!]

[Disinfects bacteria in 2 minutes! ] [Disinfects viruses\* in 1 minute!]

[Kills TB in 3 minutes!] [Kills M. bovis BCG in 3 minutes!] [Kills mycobacteria in 3 minutes!]

[Kills Mycobacterium bovis (TB) in 3 minutes!]

[Inventor]{Laboratoire M2 Logo}

[A] [Clean with No Compromises] [New Way to Clean with Power] [Perfect clean for your family]  
[Powerful clean without compromise] [Powerful clean without the problems] [Miracle in Cleaning Technology]

[All the clean, none of the worry]

[Don't compromise] [with] [your cleaning power]

[Patented power for a perfect clean]

[Driven by Thymox Technology]

[Clean] [perfectly] [smarter] [,] [with the power of science] [clean better] [redefined]

[Redefine] [Reimagine] [the meaning of clean] [the power of clean]

[Science that makes your world work]

[Stay smart, stay clean, stay happy]

[The power] [of a perfect clean] [of science] [,] [the power of clean] [Your clean on your terms]

[Pull back for instructions] [See inside label for complete Directions for Use]

{Optional Graphic – following graphic may or may not appear on label}



[Thymox Technology] [Inside][Thymox] [US PTO] [Worldwide] [ Internationally] Patented [technology] [formula] [formulation] [ composition ] [ US 8,691,292 B2] [Worldwide] [Internationally] [Patent protected ] [in USA ] [Formulated] [by][with] [Thymox Technology]

{Optional Graphic / Logo}



{Optional - Good Housekeeping Seal}

{Optional - Graphics reflecting fragrance or accepted surfaces}

