

12204-18

11-17-2003

November 17, 2003

Jerome Schultz
 Technical Director
 Mid-America Research Corp.
 P.O. Box 927
 Columbia, NE 68602-0927

Subject: Marcicide II
 EPA Registration No. 12204-18
 Application Date: August 21, 2003
 Receipt Date: September 10, 2003

Dear Mr. Schultz:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable:

Proposed Amendment

- Change in primary brand name to "Marcicide II"
- Revised labeling in response to Agency letter dated 8/1/03

General Comments

The primary brand name change to "MARCICIDE II" is acceptable.

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions concerning this letter, please contact me at (703) 308-6422.

Sincerely,



Adam Heyward
 Product Manager (34)
 Regulatory Management Branch II
 Antimicrobials Division (7510C)

CONCURRENCES							
SYMBOL	7510C						
SURNAME	E.B.+19						
DATE	11/17/03						

FEATURES

MARCICIDE II is effective against a wide variety of gram-positive and gram-negative bacteria. It is also an excellent deodorant and is especially effective in controlling odors that are bacterial in origin.

MARCICIDE II mixes with water to form clear, stable use solutions. Use solutions are non-corrosive and non-staining to plastic, vinyl, synthetics, enamel, glazed tile and most common metals. Has a pleasant pine odor.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in the eyes, on skin, or on clothing. Wear protective clothing, faceshield or goggles, and rubber gloves. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Contains no phosphorous.


STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

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

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse empty container with water. Return metal drum to manufacturer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned stay out of smoke.

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.

HMIS Ratings	Health	2	NFPA Ratings	
	Flammability	1		
	Reactivity	0		

Net Contents _____

MARCO

MARCICIDE II PINE DISINFECTANT, CLEANER, DEODORANT

*Kills Pseudomonas, Salmonella and Staphylococcus. **Virucidal

ACTIVE INGREDIENTS:

Pine Oil	3.95%
Alkyl (C ₁₂ 58%, C ₁₀ 28%, C ₁₁ 14%)	
dimethyl benzyl ammonium chloride	1.97%
INERT INGREDIENTS	94.08%
TOTAL INGREDIENTS	100.00%

*This disinfectant is effective at 6 oz./gal. against Pseudomonas aeruginosa PRD-10, Salmonella choleraesuis ATCC 10708, and Staphylococcus aureus ATCC 6538 when tested by the A.O.A.C. Use Dilution Test Method for precleaned, hard non-porous surfaces.

**This disinfectant is also an effective virucide at 6 oz./gal. for Influenza virus, Type A, Brazil on inanimate environmental surfaces.

This product may be used for cleaning and deodorizing, one-step cleaning and disinfection, or disinfection of precleaned, non-porous, inanimate hard surfaces.

When applied as directed to precleaned hard, non-porous surfaces, this disinfectant also kills the following organisms at 6 ounces per gallon:

- Candida albicans
- Escherichia coli
- Shigella sonnei
- Streptococcus pyogenes
- Enterobacter aerogenes

KEEP OUT OF REACH OF CHILDREN DANGER

(See additional precautions on side panel)

FIRST AID

Keep the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 eye. Call a poison control center or doctor for treatment advice.

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

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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 by 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.

EPA Reg. No. 12204-18 EPA Est. No. 12204-NB-1

Manufactured By

M-37

MID-AMERICAN RESEARCH CHEMICAL CORP.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product may be used for cleaning and disinfecting hard, non-porous, inanimate environmental surfaces (glass, metal, glazed porcelain, linoleum, glazed tile, smooth leather, vinyl, enameled and finished wood surfaces) on walls, floors, appliances and furnishings.

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.

Cleaning/Deodorizing: Depending on soil level, use 3-12 oz. per gallon water. Apply to hard nonporous surfaces with a cloth, sponge, mop or mechanical scrubber. Allow surfaces to air dry.

Heavy Duty Deodorizing of garbage cans, garbage trucks, garbage handling equipment and industrial waste receptacles: Pre-clean equipment. Apply 18 oz. per gallon of water with a cloth, sponge, mop, squeegee or mechanical scrubber. Allow surfaces to air dry.

General Disinfection (Industrial Areas, Restrooms, Restaurants, Non-Food Processing Areas of Food and Meat Processing Plants): Pre-clean surfaces as described above. Apply 4 oz. per gallon of water to hard nonporous surfaces with a cloth, sponge, mop, squeegee or mechanical scrubber. Treated surfaces must remain wet for 10 minutes. Allow to air dry or remove excess liquid with cloth or sponge. Prepare a fresh solution daily. Do not reuse solutions. Discard solutions when they become visibly soiled or diluted.

Hospital Disinfection: For heavily soiled areas, pre-clean as described above. Apply 7 1/2 oz. per gallon of water to hard, nonporous surfaces with cloth, sponge, mop, squeegee or mechanical scrubber. Treated surfaces must remain wet for 10 minutes. Allow to air dry or remove excess liquid with cloth or sponge. Prepare a fresh solution daily. Do not reuse solutions. Discard solutions when they become visibly soiled or diluted.

Barber Shops and Beauty Salons: Pre-clean hard, nonporous instruments and tools. Completely immerse combs, brushes, rollers, manicure and other salon/barber implements in a use-solution of 4 oz. per gallon of water for 10 minutes. Rinse thoroughly and dry before reuse. Prepare a fresh solution daily. Do not reuse solutions. Discard solutions when they become visibly soiled or diluted. **Note:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

For Mildew Control: Follow the directions for hospital disinfection. Repeat treatment every seven days or when new growth appears.

MARCICIDE II may be used through automatic floor scrubbing equipment.

MARCICIDE II must not be used on food contact surfaces.

RU8-03

FEATURES

MARCICIDE II is effective against a wide variety of gram-positive and gram-negative bacteria. It is also an excellent deodorant and is especially effective in controlling odors that are bacterial in origin.

MARCICIDE II mixes with water to form clear, stable use solutions. Use solutions are non-corrosive and non-staining to plastic, vinyl, synthetics, enamel, glazed tile and most common metals. Has a pleasant pine odor.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in the eyes, on skin, or on clothing. Wear protective clothing, face shield or goggles, and rubber gloves. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STORAGE AND DISPOSAL

Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in areas inaccessible to children and persons unfamiliar with its use.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIANS: Probable mucosal damage may contraindicate the use of gastric lavage.



MARCICIDE II

PINE DISINFECTANT, CLEANER, DEODORANT

Kills Pseudomonas, Salmonella and Staphylococcus.

ACTIVE INGREDIENTS:

Pine Oil
Allyl (C₁₂ 58%, C₁₆ 28%, C₁₂ 14%) dimethyl benzyl ammonium chloride

INERT INGREDIENTS

TOTAL INGREDIENTS

*This disinfectant is effective at 6 oz./gal. against Pseudomonas aeruginosa PRD-10, Salmonella choleraesuis ATCC 10708 tested by the A.O.A.C. Use Dilution Test Method for pre-cleaned, hard non-porous surfaces.

**This disinfectant is also an effective virucide at 6 oz./gal. for influenza virus, Type A, Brazil on inanimate environmental surfaces. This product may be used for cleaning and deodorizing, one-step cleaning and disinfection, or disinfection of pre-cleaned surfaces. When applied as directed to pre-cleaned hard, non-porous surfaces, this disinfectant also kills the following organisms at:
*Candida albicans *Streptococcus pyogenes *Escherichia coli *Enterobacter aerogenes *Shigella sonnei

KEEP OUT OF REACH OF CHILDREN DANGER

(See additional precautions on side panel)

PRACTICAL TREATMENT (FIRST AID): In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If swallowed, drink promptly a large quantity of milk, raw egg whites, gelatin solution or if these are not readily available, drink water. Call a physician immediately.

Net Contents: 1 Gallon **Manufactured By**
EPA Reg. No. 12204-18

MID-AMERICAN RESEARCH CHEMICALS
COLUMBUS, NE 68601

ACCEPTED

NOV 17 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 12204-18



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product may be used for cleaning and disinfecting hard, non-porous, inanimate environmental surfaces (glass, metal, glazed porcelain, linoleum, glazed tile, smooth leather, vinyl, enameled and finished wood surfaces) on walls, floors, appliances and furnishings.

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.

Cleaning/Deodorizing: Depending on soil level, use 3-12 oz. per gallon water. Apply to hard nonporous surfaces with a cloth, sponge, mop or mechanical scrubber. Allow surfaces to air dry.

Heavy Duty Deodorizing of garbage cans, garbage trucks, garbage handling equipment and industrial waste receptacles. Pre-clean equipment. Apply 16 oz. per gallon of water with a cloth, sponge, mop, squeegee or mechanical scrubber. Allow surfaces to air dry.

General Disinfection (Industrial Areas, Restrooms, Restaurants, Non-Food Processing Areas of Food and Meat Processing Plants): Pre-clean surfaces as described above. Apply 4 oz. per gallon of water to hard nonporous surfaces with a cloth, sponge, mop, squeegee or mechanical scrubber. Treated surfaces must remain wet for 10 minutes. Allow to air dry or remove excess liquid with cloth or sponge. Prepare a fresh solution daily. Do not reuse solutions. Discard solutions when they become visibly soiled or diluted.

Hospital Disinfection: For heavily soiled areas, pre-clean as described above. Apply 7 1/2 oz. per gallon of water to hard nonporous surfaces with cloth, sponge, mop, squeegee or mechanical scrubber. Treated surfaces must remain wet for 10 minutes. Allow to air dry or remove excess liquid with cloth or sponge. Prepare a fresh solution daily. Do not reuse solutions. Discard solutions when they become visibly soiled or diluted.

Barber Shops and Beauty Salons: Pre-clean hard, nonporous instruments and tools. Completely immerse combs, brushes rollers, manicure and other salon/barber implements in a use-solution of 4 oz. per gallon of water for 10 minutes. Rinse thoroughly and dry before reuse. Prepare a fresh solution daily. Do not reuse solutions. Discard solutions when they become visibly soiled or diluted. **Note:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

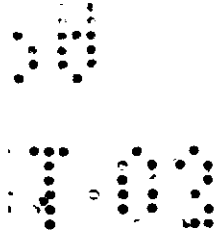
For Mildew Control: Follow the directions for hospital disinfection. Repeat treatment every seven days or when new growth appears.

MARCICIDE II may be used through automatic floor scrubbing equipment.

MARCICIDE II must not be used on food contact surfaces.

HMS Ratings: Health 2, Flammability 1, Reactivity 0- NFPA Ratings: 2,1,0

RU8-03



4/4