

MAR 02 1995

Spartan Chemical Company, Inc
110 North Westwood Ave.
Toledo, OH 43607

Attention: Ronald Cook
Microbiologist

Subject: DMQ
EPA Registration No. 5741-20
Your Amendment Dated December 15, 1994

The amendment (label update) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Make the following labeling changes below before you release the product for shipment bearing the amended labeling.

- Delete the Colon which appears next to the signal word: Danger (front panel).
- Delete the letter "s". Only one active ingredient is declared on the label.
- Add the following precautionary statement to the right panel:

Wash thoroughly with soap and water after handling.

- Add the following paragraph:

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 preclean or decontaminate ~~critical or semi critical medical devices prior to sterilization or high level disinfection.~~

SYMBOL							
SURNAME							
DATE							

2-46

- 2 -

- e. Revise the statement: "...on inanimate surfaces..."
to read: "...on hard nonporous inanimate surfaces..."
(front panel).
- f. The letter "s" in the word: "simplex" should be lower case.
2. A release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.
3. A stamped copy of the labeling is enclosed for your records.
Submit one (1) copy of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, contact V. Goncarovs at 703-305-6663.

Sincerely yours,

Walter C. Francis
Acting Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

Draft Label submitted 12/15/94

12 04



DMQ® Damp Mop Neutral Disinfectant Cleaner

ACTIVE INGREDIENTS:

n-a-ky, 10%, 50%, 40%,
10%, 10% dimethyl benzyl

ammonium chlorides 4.50%
INERT INGREDIENTS 95.50%

**Non-alkaline germicidal cleaner concentrate specially
designed to clean and disinfect high gloss floors!**

Bactericide/Fungicide*/Virucide**

*Kills the athlete's foot fungi, *Trichophyton mentagrophytes*.

**Kills HIV-1 (AIDS Virus), kills Herpes Simplex Type 2 and Influenza
A₁/Hong Kong Viruses on inanimate surfaces.

**KEEP OUT OF REACH OF CHILDREN
DANGER:**

See side panel for additional precautionary statements.

For Institutional and Industrial Use Only

Spartan Chemical Co., Inc., 110 N. Westwood Ave., Toledo, Ohio 43607
Net Contents: 1 U.S. Gallon / 3.79 Liters

EPA Reg. No. 5741-20
EPA Est. No. 5741-CH-1

5741-20

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SCREEN / 1 COLOR / RED

3-4-95



DMQ retains the beauty of high gloss floors with the added effectiveness of a disinfectant! DMQ is recommended to clean, disinfect and deodorize floors, walls, countertops and other hard, non-porous surfaces in hospitals, schools, hotels or any commercial, industrial or institutional facility where a clean and sanitary environment is important. DMQ provides 700 ppm of quaternary germicide at use-dilution.

Directions for Use:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **Bactericidal and Virucidal** Activity** [including the HIV-1 (AIDS Virus)]

For one-step cleaning and disinfecting in the presence of organic soil use DMQ at 2 oz. per gallon of water.

Apply with a mop, cloth or spray device.

Treated surface must remain wet for 10 minutes.

Preliminary cleaning is required for heavily soiled surfaces.

Fungicidal* Activity

Apply DMQ at 2 oz. per gallon of soft water to a pre-cleaned surface with a mop, cloth or spray device. Treated surface must remain wet for 10 minutes.

****KILLS HIV ON PRE-CLEANED 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 or body fluids, and in which the surfaces/ objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

Special Instructions for Cleaning and Decontamination against HIV-1 of Surfaces or Objects Soiled with Blood or Body Fluids: **Personal Protection:** Exposure to blood and body fluids should be

avoided by use of barrier protection such as latex or other impervious gloves. Face shields and impervious gowns should also be worn if splashing of blood or body fluids may occur.

Cleaning Procedure: Gross contamination of blood or body fluids must be removed with disposable rags, absorbent, etc.

before application of DMQ.

Contact Time: Leave surfaces wet for 10 minutes.

Disposal of Infectious Materials: Contaminated cleaning materials, blood and other body fluids should be autoclaved and/or disposed of according to local regulations for infectious waste disposal.

DANGER PRECAUTIONARY STATEMENTS
Hazard to Humans and Domestic Animals

Keep out of reach of children. Causes eye damage and skin irritation. Do not get in eyes, skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink egg white, gelatin solution, or if these are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

Do not reuse empty container. Wrap container and put in trash.

SPARTAN CHEMICAL COMPANY, INC., 110 N. Westwood Avenue, Toledo, OH 43607 / 1-800-537-8990

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DMQ / 1 GALLON

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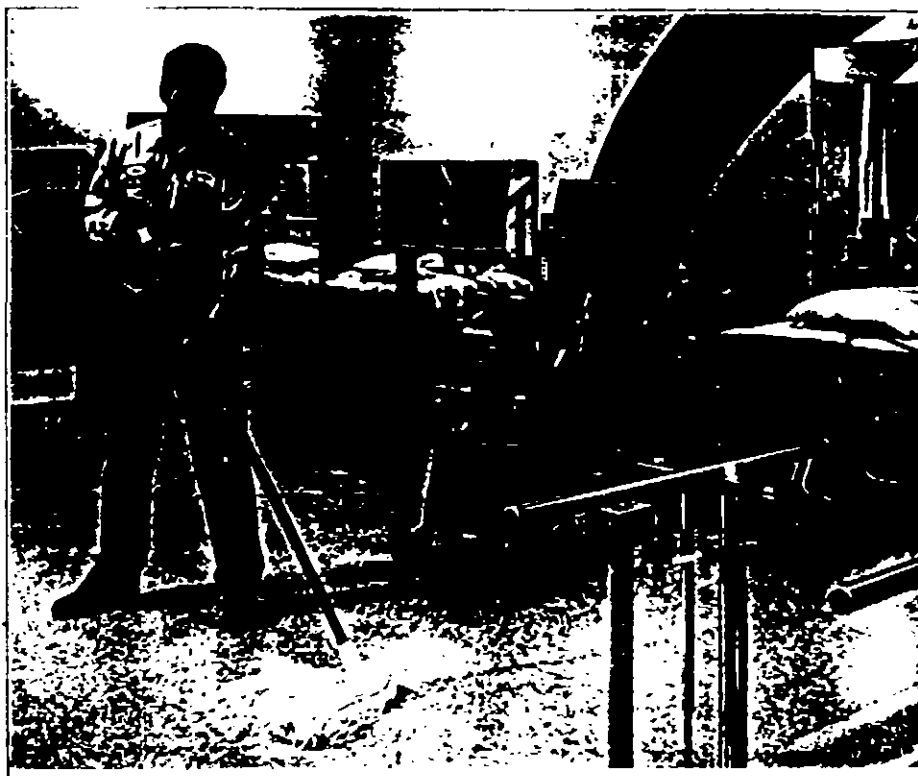
MAR 02 1995

5741-20



DMQ®

Damp Mop Neutral Disinfectant Cleaner



DMQ is a non-alkaline germicidal cleaner concentrate specially designed to clean and disinfect high gloss floors.

Retains the Beauty of High Gloss Floor Finishes!

DMQ kills the germs not the shine! DMQ's low pH and special non-alkaline ingredients will not attack or dull high gloss floor finishes.

Aggressive Disinfectant Action:

DMQ cleans without dulling and takes neutral cleaners one step further with the addition of aggressive disinfectant action for areas where sanitation is critical.

Bactericidal/Fungicidal/Virucidal**

No Rinsing Required:

DMQ eliminates the time and labor normally required for rinsing.

Economical:

A concentrate, DMQ is economical enough for everyday use. Add just 2 oz. of DMQ to each gallon of water for efficient disinfection.

Pleasant to Use:

DMQ deodorizes, leaving an appealing, light citrus fragrance.

DMQ...an excellent addition to your high speed floor care program!

EPA Reg. No. 100-100000

EPA Est. No. 100-100000

Approved for use on all hard surfaces.

(K) For more information, contact:

BEST COPY AVAILABLE

Retains the beauty of high gloss floors with the added effectiveness of a disinfectant!

DMQ is recommended to clean, disinfect and deodorize floors, walls, ceilings and other hard, non porous surfaces in hospitals, schools, hotels or any commercial, industrial or institutional facility where a clean and sanitary environment is important. DMQ provides 700 ppm of quaternary germicide at use dilution.

Directions for Use:

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

Bactericidal and Virucidal** Activity [including the HIV-1 (AIDS Virus)]

For one-step cleaning and disinfecting in the presence of organic soil use DMQ at 2 oz. per gallon of water.

Apply with a mop, cloth or spray device. Treated surface must remain wet for 10 minutes. Preliminary cleaning is required for heavily soiled surfaces.

Fungicidal* Activity

Apply DMQ at 2 oz. per gallon of soft water to a pre-cleaned surface with a mop, cloth or spray device. Treated surface must remain wet for 10 minutes.

**** KILLS HIV ON PRE-CLEANED 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 or body fluids, and in which the surface/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

Special Instructions for Cleaning and Decontamination against HIV-1 of Surfaces or Objects Soiled with Blood or Body Fluids: Personal Protection:

Exposure to blood and body fluids should be avoided by use of proper protective clothing, latex or other impervious gloves, and mask and impervious gown. Studies have shown that splashing of blood or body fluids may occur.

Cleaning Procedure: Grease and dirt should be removed from surfaces soiled with blood or body fluids first. Then clean with disposable rags, after each use, with application of DMQ.

Contact Time: Exposed surface must remain wet for 10 minutes.

Disposal of Infectious Materials:

Contaminated cleaning materials, such as mop heads, should be placed in a leak-proof container and disposed of according to applicable regulations for infectious waste disposal.

SPECIFICATION DATA:

ACTIVE INGREDIENT:

DMQ 100-14-50% (12.40% active ingredient) 15.00%

INERT INGREDIENTS:

Specific Gravity 1.045 @ 20°C/68°F
Density 8.30 @ 20°C/68°F
pH (Concentrate) 5.0-6.0
Miscibility Completely miscible in proportions with hot or cold water
Viscosity Non-viscous
Color Yellow
Flash Point None
Odor Pungent, penetrating
Solubility Soluble in water

1. For use on floors, walls, ceilings, etc.
2. For use on floors, walls, ceilings, etc.
3. For use on floors, walls, ceilings, etc.

DMQ is Bactericidal: When applied at 2 oz. per gallon of water, DMQ is a proven one step disinfectant in the presence of organic soil. Test method: AOAC Use Dilution test modified per EPA's DISTSS 2 for organic soil load.

Test Conditions: 5% blood serum 10 minute contact time						
Sample	Staphylococcus aureus ATCC 6538		Pseudomonas aeruginosa ATCC 15442		Salmonella choleraesuis ATCC 10708	
	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth
1	60	0	60	0	60	0
2	60	0	60	0	60	0
3	60	0	60	0	60	0

DMQ is Virucidal:** When applied at 2 oz. per gallon in the presence of organic soil, DMQ kills the pathogenic viruses HIV-1 (AIDS Virus), Herpes Simplex Type 2 and Influenza A/Hong Kong.

Test Conditions: 5% blood serum 10 minute contact time			
Sample	HIV-1	Herpes Simplex Type 2	Influenza A/Hong Kong
1	Greater than 3 log reduction	Greater than 3 log reduction	Greater than 3 log reduction
2	Greater than 3 log reduction	Greater than 3 log reduction	Greater than 3 log reduction

DMQ is Fungicidal*: When applied at 2 oz. per gallon of distilled water to a pre-cleaned surface, DMQ kills the pathogenic fungus which causes athlete's foot, **Trichophyton mentagrophytes**. Test Method: AOAC Fungicidal Test Par. 4.015-4.019.

Trichophyton mentagrophytes ATCC 9533					
Sample	Dilution	Exposure:	Primary Subculture		
			5 minutes	10 minutes	15 minutes
1	1:64		0	0	0
2	1:64		0	0	0

PRECAUTIONARY STATEMENTS Hazard to Humans and Domestic Animals DANGER

Keep out of reach of children. Causes eye damage and skin irritation. Do not get in eyes, skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink egg white, gelatin solution, or if these are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

Esophageal mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or unsale 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 Disposal: Triple rinse (or equivalent). 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, burn. If burned, stay out of smoke.

Packaging:

Spartan DMQ is available in the Big Red, 55 gallon drum, 30 and 15 gallon drums, 5 gallon pails, gallons, 1 pail, and 1/2 gallon pails. All containers are equipped with a child resistant closure.

Guarantee:

Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.

For Institutional and Industrial Use Only

Spartan Chemical Co., Inc. 110 N. Westwood Ave. Toledo, Ohio 43607

Distributed by

ACTIVATED
CARBON
FLOTTATION

MAR 02 1995

ISSA MEMBER
The Experts
in Cleaning and Maintenance

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