

<p align="center">U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION</p> <p align="center"><i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">EPA REGISTRATION NO. 5741-20</td> <td style="width: 50%; padding: 2px;">DATE OF ISSUANCE OCT 14 1987</td> </tr> <tr> <td colspan="2" style="padding: 2px;">TERM OF ISSUANCE</td> </tr> <tr> <td colspan="2" style="padding: 2px;">NAME OF PESTICIDE PRODUCT: DHC</td> </tr> </table>	EPA REGISTRATION NO. 5741-20	DATE OF ISSUANCE OCT 14 1987	TERM OF ISSUANCE		NAME OF PESTICIDE PRODUCT: DHC	
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NAME OF PESTICIDE PRODUCT: DHC							
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <p align="center">Spartan Chemical Company, Inc. 110 North Westwood Avenue Toledo, OH 43607</p> </div>							
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 5741-20." b. Revise the organism (front panel): <p align="center">Influenza Type A/Hong Kong</p> <p align="center">to read:</p> <p align="center">Influenza Type A₃/Hong Kong.</p> 3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the 7-79 orlosure for a further description of final printed labeling. 							
<p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>							
SIGNATURE OF APPROVING OFFICIAL	DATE						

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

A stamped copy of the label is enclosed for your records.

John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures

3/9

DMQ PROPOSED LABEL COPY

Revised 8-17-87

Front Label Copy

Block "S" logo with R
DMQ TM
Damp Mop Neutral Disinfectant Cleaner

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 Herpes Simplex Type 2 and Influenza Type A/Hong Kong
viruses. 3

KEEP OUT OF REACH OF CHILDREN
DANGER
See back panel for additional
precautionary statements.

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

ACTIVE INGREDIENT:

n-alkyl (C₁₄-50%, C₁₂-40%, C₁₆-10%)
dimethyl benzyl ammonium chlorides.....4.50%
INERT INGREDIENTS.....95.50%

EPA Reg. No. 5741-
EPA Est. No. 5741-OH-1

Net Contents: 1 US Gallon/3.79 Liters
(or)
5 US Gallons/18.95 Liters

ACCEPTED
with 100% DIS
in EPA Reg. No. 5741

OCT 14 1987

Under the Federal Insecticide, Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
5741-20

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Directional Label Copy (Back Label Copy)

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.

Directions for Use:

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

Bactericidal Activity

For one-step cleaning and disinfecting in the presence of organic soil and hard water (up to 300 ppm), 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.

Virucidal and 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.

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 milk, 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.

ACQUITTED
BY THE COURT
MAY 14 1987

OCT 14 1987

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

5741-20

5/4

STORAGE AND DISPOSAL

(Gallons Only:)

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

(5 Gallon Pail:)

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 rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, 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.

(55-Gallon Size:)

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 rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, 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 by other procedures approved by state and local authorities.

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. Use product as directed and read all precautionary statements.

ISSA logo

C SCC1987

Spartan Chemical Company, Inc.
110 N. Westwood Avenue
Toledo, OH 43607

ACCEPTED
EPA COMMENTS
10/14/87

OCT 14 1987

This product is a pesticide,
and is subject to the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

S741-20

6/9

DMQ PROPOSED LITERATURE COPY

Revised 8-17-87

Front Side Copy

Block "S" logo with R
DMQ TM
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 a sanitary and odor free environment are important. Bactericidal. Fungicidal*. Virucidal**.

EPA Reg. No. 5741-
EPA Est. No. 5741-OH-1

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

Pleasant to Use:

DMQ deodorizes as it cleans leaving an appealing light citrus fragrance.

OCT 14 1987

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

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

5741-20

Back Copy

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.

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Directions for Use:

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

Bactericidal Activity

For one-step cleaning and disinfecting in the presence of organic soil and hard water (up to 300 ppm), 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.

Virucidal and 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.

SPECIFICATION DATA:

ACTIVE INGREDIENT:

n-alkyl (C₁₄-50%, C₁₂-40%, C₁₆-10%)

dimethyl benzyl ammonium chlorides.....4.50%

INERT INGREDIENTS.....95.50%

Specific Gravity - 0.995 @24°C/75°F

Density - 8.30 @24°C/75°F

pH (Concentrate) - 5.0-6.0

Miscibility - Completely miscible in all proportions with hot or cold water.

Viscosity - Non-viscous

Color - Yellow

Flash Point - None

Cloud Point - None to boiling

Stability -

a. Shelf @24°C/75°F - one year minimum

b. Freeze/Thaw - three cycles

Phosphate Free

Contains biodegradable surfactants

EPA Reg. No. 5741-

EPA Est. No. 5741-OH-1

ACCEPTED
ALL COMPONENTS
F. I. & L. Inc. - Danbury

OCT 14 1987

By the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
5741-20

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 and 300 ppm hard water. Test method: AOAC Use-Dilution test modified per EPA's DIS/TSS-2 for organic soil load.

Test Conditions: 5% blood serum 10 minute contact time							
Staphylococcus aureus ATCC 6538			Pseudomonas aeruginosa ATCC 15442		Salmonella choleraesuis ATCC 10708		
Sample	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 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				
Primary Subculture				
Sample	Dilution	Exposure:	5 minutes	10 minutes 15 minutes
1	1:64	-	-	-
2	1:64	-	-	-

DMQ is Virucidal:** When applied at 2 oz. per gallon of distilled water DMQ kills the pathogenic viruses, Herpes simplex type 2 and Influenza Type A/Hong Kong in the presence of organic soil.

DMQ at 2 oz. per gallon Test run with 5% blood serum			
Sample	Herpes simplex type 2 Results	Influenza Type A/Hong Kong Results	
1	Greater than 5 log reduction	Greater than 5 log reduction	
2	Greater than 5 log reduction	Greater than 5 log reduction	

OCT 14 1987
 This is a restricted use pesticide.
 It may only be used in accordance with
 the label for the pesticide
 registered under EPA Reg. No.

9/9

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 milk, 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 contaminate water, food, or feed by storage or disposal.

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 instruction, 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 by other procedures approved by state and local authorities.

Packaging: Spartan's DMQ is available in attractive 55, 30 and 15-gallon drums.

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. Use product as directed and read all precautionary statements.

Ellipse logo

ISSA logo

C SCC1987

Spartan Chemical Company, Inc.
110 N. Westwood Avenue
Toledo, OH 43607

Distributed by:

ACCEPTED
WITH COMMENTS
EPA Label Check

OCT 14 1987

This product is not to be used in accordance with the FIFRA Act as amended, for the pesticide registered under EPA Reg. No.

5741-20