

5741-20

03/06/2007

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MAR - 6 2007

Ms. Mary Swartz
Spartan Chemical company, Inc.
1110 Spartan Drive
Makumee, OH 43537

Subject: DMQ
EPA Registration Number 5741-20
Application Date August 30, 2006
EPA Received Date September 21, 2006

Dear Ms. Swartz:

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

Proposed Amendments:

- Agency response to letter dated 11/10/05

Acute Tox:

1. The studies for eye and skin irritation for the dilution of DMQ are acceptable.
2. **The current acute toxicity profile of 5741-20 is:**

acute oral toxicity	IV	acceptable
acute dermal toxicity	III	acceptable
acute inhalation toxicity	IV	acceptable
primary eye irritation	I	acceptable
primary skin irritation	IV	acceptable
dermal sensitization	Non-sensitizer	acceptable

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

3. **The current acute toxicity profile for the dilution of 5741-20 is:**

acute oral toxicity	IV	acceptable
acute dermal toxicity	III	acceptable
acute inhalation toxicity	IV	acceptable
primary eye irritation	III	acceptable
primary skin irritation	IV	acceptable
dermal sensitization	Non-sensitizer	acceptable

LABELING :

The signal word is **DANGER**.

The precautionary statements must read, "**DANGER: Corrosive.** Causes irreversible eye damage. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear protective eye wear (goggles/face shield/safety glasses), rubber gloves and protective clothing. *After product is diluted in accordance with the directions for use, protective eye wear is not required.* Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse."

The first aid statements are acceptable.

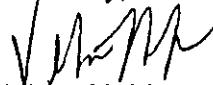
Based on the current acute toxicity profile, this product meets the qualifications for a Restricted-Use Pesticide as stated in 40 CFR 152.70. This product also meets the qualifications for Child-Resistant Packaging as stated in 40 CFR 157.22.

General Comments:

A stamped copy of the acceptable labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,



Velma Noble

Product Manager (31)

Regulatory Management Branch I

Antimicrobials Division (7501P)

Enclosure

Master Label for DMQ: (DMQ Master Label 13)
EPA Reg. No. 5741-20
Spartan Chemical Company, Inc.

Front Copy

DMQ®

Damp Mop Neutral Disinfectant Cleaner

Non-Acid Disinfectant Bathroom Cleaner

Clean on the Go® 1
For use only with Spartan Clean on the Go dispenser.

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

Non-acid germicidal cleaner concentrate specially designed to clean and disinfect toilet bowls and restroom surfaces!

Bactericide/Virucide*
Effective against Antibiotic-Resistant Bacteria**

Kills Staphylococcus aureus and Salmonella choleraesuis.
*Kills Hepatitis C Virus (HCV), Hepatitis B Virus (HBV), HIV-1 (AIDS Virus), Herpes simplex Type 2 and Influenza A₃/Hong Kong viruses on hard, nonporous inanimate surfaces.
**Kills Methicillin resistant Staphylococcus aureus (MRSA) and Vancomycin resistant Enterococcus faecalis (VRE).

ACCEPTED
with COMMENTS
in EPA Letter Dated
MAR - 6 2007
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 5741-20

ACTIVE INGREDIENT:
Alkyl (C ₁₄ -50%, C ₁₂ -40%, C ₁₆ -10%)
dimethyl benzyl ammonium chlorides..... 4.50%
INERT INGREDIENTS:95.50%

E.P.A. Reg. No. 5741-20
E.P.A. Est. No. 5741-OH-1

Keep Out of Reach of Children
DANGER
See side panel for additional precautionary statements.

FOR COMMERCIAL AND INDUSTRIAL USE ONLY
SPARTAN CHEMICAL COMPANY, INC., 1110 Spartan Drive, Maumee, Ohio 43537
NET CONTENTS: 5 U.S. Gallons/18.95 Liters (5-gallon pail copy)
NET CONTENTS: 1 U.S. Gallon/3.79 Liters (gallon jug copy)
NET CONTENTS: 2 Liters/67.6 Fl. Oz. (2 liter jug copy)

Back Side Copy

DMQ®

Damp Mop Neutral Disinfectant Cleaner

Non-Acid Disinfectant Bathroom Cleaner

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 environmental surfaces in schools, hotels, manufacturing sites/facilities, restaurants, bars, cafeterias and food processing plants.

DMQ is a non-acid formulation designed to disinfect, clean and deodorize toilet bowls, urinals and other hard, non-porous bathroom surfaces. Formulated for use in daily maintenance programs, DMQ is a proven one-step cleaner disinfectant in the presence of moderate amounts of organic soil.

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.

One-Step Cleaning and Disinfecting Toilet Bowls and Urinals

1. Remove water from the bowl by forcing it over the trap with a swab mop.
2. Liberally apply DMQ at 2 oz. per gallon of water to the exposed surfaces. Swab the exposed surfaces including under the rim.
3. Allow DMQ to remain wet on surfaces for 10 minutes.
4. Flush toilet or urinal and rinse swab mop thoroughly.

Bactericidal and Virucidal* Activity

One-Step Cleaning/Deodorizing/Disinfecting Hard, Non-Porous Surfaces:

For one-step cleaning, deodorizing, and disinfecting in the presence of 5% 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.

Allow to air dry or wipe off with a clean cloth or paper towel. Prepare fresh solution daily or more often if solution becomes visibly dirty, diluted, or soiled.

Rinsing of floors is not necessary except before application of a floor finish or polish.
Preliminary cleaning is required for heavily soiled areas.

Before using this product in food processing areas, all food products and packaging materials must be removed from the room or carefully protected. After use, all food contact surfaces must be thoroughly rinsed with potable water before reuse. Do not use this product to disinfect or clean utensils, glasses, dishes, or cookware.

***KILLS HCV, HBV AND 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 Hepatitis C Virus (HCV), Hepatitis B Virus (HBV) and human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HCV, HBV AND HIV-1 ON SURFACES OR OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

PERSONAL PROTECTION: Exposure to blood or 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 PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of DMQ.

CONTACT TIME: Leave surfaces wet for 10 minutes.

DISPOSAL OF INFECTIOUS MATERIAL: Contaminated cleaning materials, blood and other body fluids should be autoclaved and/or disposed of according to local regulations for infectious waste disposal.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

FIRST AID	
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:	-Take off contaminated clothing. -Rinse skin immediately 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 a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
24 HOUR MEDICAL EMERGENCY NUMBER: 888- 314-6171	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

(NOTE TO EPA -The following text will be used on one gallon and smaller containers only)

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.
Pesticide Storage: Store in original container in a cool, dry place.
Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

(NOTE TO EPA -The following text will be used on five gallon pails and larger containers only)

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. 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.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container in a locked storage area inaccessible to children and persons unfamiliar with its use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or mixture of 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 Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SPARTAN CHEMICAL COMPANY, INC. 1110 Spartan Drive, Maumee, Ohio 43537
Questions? 800-537-8990/ www.spartanchemical.com

(Note to EPA: The following is an optional phrase)

Fax On Demand Material Safety Data Sheet: 888-383-4666, No. (XXXX)

(Secondary Container Label for Diluted Product)

DMQ®

(Optional phrases)

Damp Mop Neutral Disinfectant Cleaner

Non-Acid Disinfectant Bathroom Cleaner

Clean on the Go® 1

User Prepared Ready-To-Use Solution

E.P.A. Reg. No. 5741-20

ACTIVE INGREDIENT IN CONCENTRATED PRODUCT:

Alkyl (C₁₄-50%, C₁₂-40%, C₁₆-10%) dimethyl benzyl ammonium chlorides.... 4.50%

The product in this container is diluted as directed on the pesticide product label.
Follow the directions for use on the pesticide label when applying this product.

(Optional phrases)

Read material safety data sheet before using.

See first aid statement on pesticide product label.

HMIS HAZARD RATING:

Health = 1, Flammability = 0, Reactivity = 0

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

MEDICAL EMERGENCY: 888-314-6171.

SPARTAN CHEMICAL COMPANY, INC.
1110 Spartan Drive, Maumee, Ohio 43537
1-800-537-8990/ www.spartanchemical.com