

3-29-85
OK DTC



PSQ™ Disinfectant Cleaner

ACTIVE INGREDIENTS:

Alkyl (C ₁₂ - 50%, C ₁₂ - 40%, C ₁₆ - 10%) dimethyl benzyl ammonium chlorides	1.30%
Pine oil	1.00%
Octyl decyl dimethyl ammonium chloride	0.90%
Dioctyl dimethyl ammonium chloride	0.45%
Didecyl dimethyl ammonium chloride	0.45%
INERT INGREDIENTS	95.90%

EPA Reg. No. 5741-16
EPA Est. No. 5741-OH-1

The Activity of a Quat Combined with
the Essence of Pine Oil.
Bactericide/*Fungicide/Deodorizer
Inhibits Mold and Mildew

KEEP OUT OF REACH OF CHILDREN
DANGER

See side panel for additional precautions

Only for Sale to, Use, and Storage by Servicepersons
Spartan Chemical Co., Inc., 110 N. Westwood, Toledo, Ohio 43607
Net Contents: 1 U.S. Gallon/3.79 Liters

ACCEPTED
OCT 03 1985
EPA Reg. No. 5741-16

PSQ / 1 GAL. SILK SCREEN / 1 COLLOR (RED)

3-29-85
OK etc.



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PSQ / 1 GAL. SILKSCREEN / 1 COLOR (RED)

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PSQ's special formulation provides the "bloom" and fragrance of pine oil with the broad spectrum bactericidal activity of quaternaries.

A proven one-step cleaner-disinfectant in the presence of moderate amounts of organic soil, PSQ may be used to clean, disinfect and deodorize floors, walls, sinks and other similar hard, non-porous surfaces. Used as directed, PSQ is effective against Trichophyton mentagrophytes, the athlete's foot fungus. PSQ is especially recommended for use in garbage pails, bathrooms, locker rooms and other areas which are difficult to keep fresh smelling.

- Staphylocidal
- Pseudomonocidal
- Salmonellacidal
- Fungicidal
- Inhibits Mold and Mildew

PSQ may be used in hotels, motels, hospitals, office buildings, restaurants... any commercial, institutional or industrial building.

Directions for Use:

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

DISINFECTION: For one-step cleaning and disinfecting of walls, floors and other hard non-porous surfaces, use PSQ at 2 oz. per gallon of water. Apply with a mop, cloth or spray device.

***FUNGICIDAL ACTIVITY:** Apply PSQ at 2 oz. per gallon of water to pre-cleaned surfaces with a mop, cloth or spray device.

Treated surfaces must remain wet for 10 minutes. Prepare fresh solution for each application. For heavy-soiled surfaces, a preliminary cleaning is required.

MOLD AND MILDEW: When used as directed, PSQ removes mold and mildew stains and odor. To control their growth, apply PSQ at 2 oz. per gallon as directed above. Do not rinse. Repeat application as necessary to maintain control.

SPARTAN CHEMICAL COMPANY, INC., TOLEDO, OHIO 43607

**PRECAUTIONARY STATEMENTS
Hazard to Human 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. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE AND DISPOSAL

- Do not contaminate water, food or feed by storage or disposal; open dumping is prohibited.
- Do not reuse empty container.
- Wrap container and put in trash.

Guarantee: Spartan's modern manufacturing and laboratory control insure uniform quality. All products manufactured by Spartan Chemical Co., Inc., are unconditionally guaranteed when used as directed. Any unused portion may be returned for credit.

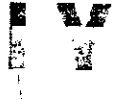
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ACCEPTED
OCT 03 1985
In the State of Missouri,
I, _____, Secretary of State,
do hereby certify that the pesticide
registered under
EPA Reg. No. 5741-16

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PSQ™

Disinfectant Cleaner

ACTIVE INGREDIENTS:

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the Essence of Pine Oil.
Bactericide/*Fungicide/Deodorizer
Inhibits Mold and Mildew**

**KEEP OUT OF REACH OF CHILDREN
DANGER**

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

PSQ / 1 GAL. SILK SCREEN / 1 COLOR (RED)

clean, disinfect and deodorize floors, walls, sinks and other similar hard, non-porous surfaces. Used as directed, PSQ is effective against *Trichophyton mentagrophytes*, the athlete's foot fungus. PSQ is especially recommended for use in garbage pails, bathrooms, locker rooms and other areas which are difficult to keep fresh smelling.

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SPECIFICATION DATA:

ACTIVE INGREDIENTS:

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dimethyl benzyl ammonium chlorides	1.30%
Pine oil	1.00%
Octyl decyl dimethyl ammonium chloride	0.90%
Diocetyl dimethyl ammonium chloride	0.45%
Didecyl dimethyl ammonium chloride	0.45%
INERT INGREDIENTS	95.90%

Specific Gravity 1.037 @ 24°C/75°F
 pH (Concentrate) 11.0-11.2
 Form - Liquid
 Color - Green
 Viscosity - None
 Miscibility - Completely miscible in all proportions with hot or cold water
 Stability -
 a. Shelf @ 24°C/75°F - one year minimum
 b. Freeze Thaw - Freezes and thaws with perfect clarity
 Will not reduce the effectiveness of conductive flooring - initial reading 250,000 ohms final reading after six washes 250,000 ohms
 Acute Oral Toxicity - 8.6 ml/kg for albino rats



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

spray device necessary to maintain control
***FUNGICIDAL ACTIVITY:** Apply PSQ at 2 oz per gallon of water to pre-cleaned surfaces with a mop, cloth or spray device
 Treated surfaces must remain wet for 10
Packaging:
 Spartan's PSQ is available in attractive lithographed 55, 30 and 15-gallon drums.

PSQ is a bactericide:
 PSQ is a proven one-step cleaner/disinfectant when tested at 2 oz per gallon of water according to the AOAC Use-Dilution Test modified per EPA's DIS-TSS-2 for organic soil load

Tests run with 5% Blood Serum						
PSQ at 1:64	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth
Sample A	60	0	60	0	60	0
Sample B	60	0	60	0	60	0

Conclusion: PSQ is an effective bactericide at 2 oz per gallon of water

PSQ is a fungicide: When applied at 2 oz per gallon to a pre-cleaned surface, PSQ has been shown to be effective against the pathogenic fungus which causes athlete's foot *Trichophyton mentagrophytes*. Test method AOAC Fungicidal test Par 4 018-4 022

PSQ Sample dilution	Organism <i>Trichophyton mentagrophytes</i> ATCC 9533		
	5 minutes	10 minutes	15 minutes
1:48	-	-	-
1:58	+	-	-
1:64	+	-	-
1:77	+	-	-
1:85	-	-	-
Phenol Resistance	1:60	+ = growth	- = no growth

Conclusion: PSQ kills athlete's foot fungus at 2 oz per gallon

PSQ is fungistatic: Results of the activity of PSQ when run according to the EPA Hard Surface Mildew Fungistatic Test Method show that PSQ used at 2 oz per gallon inhibits the growth of mold and mildew

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. Measures against circulatory shock, respiratory depression and convulsions may be needed.

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 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 by other procedures approved by state and local authorities.



PSQ

Disinfectant Cleaner

PSQ's special formulation provides the "bloom" and fragrance of pine oil with the broad spectrum bactericidal activity of quaternaries.

A proven one-step cleaner-disinfectant in the presence of moderate amounts of organic soil, PSQ may be used to clean, disinfect and deodorize floors, walls, sinks and other similar hard, non-porous surfaces. Used as directed, PSQ is effective against Trichophyton mentagrophytes, the athlete's foot fungus. PSQ is especially recommended for use in *garbage pails, bathrooms, locker rooms* and other areas which are difficult to keep fresh smelling.

- Staphylocidal
- Pseudomonocidal
- Salmonellacidal
- Fungicidal
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Directions for Use:

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***FUNGICIDAL ACTIVITY:** Apply PSQ at 2 oz. per gallon of water to pre-cleaned surfaces with a mop, cloth or spray device

Treated surfaces must remain wet for 10 minutes. Prepare fresh solution for each application. For heavy-soiled surfaces, a preliminary cleaning is required.

MOLD AND MILDEW: When used as directed, PSQ removes mold and mildew stains and odor. To control their growth, apply PSQ at 2 oz. per gallon as directed above. Do not rinse. Repeat application as necessary to maintain control.

SPARTAN CHEMICAL COMPANY, INC., TOLEDO, OHIO 43607

PP
Hazard

Keep out of reach of children. Do not get in eyes. If swallowed, do not induce vomiting. Wear goggles when handling.

STATEMENT:
In case of contact with eyes, flush with water for at least 15 minutes and wash all contact lenses if possible. If swallowed, drink large amount of water.

Probable mucous membrane irritation. Measure and control.

STORAGE:
Do not contaminate other materials. Do not dump into open dumping sites.
- Do not reuse empty containers.
- Wrap containers.

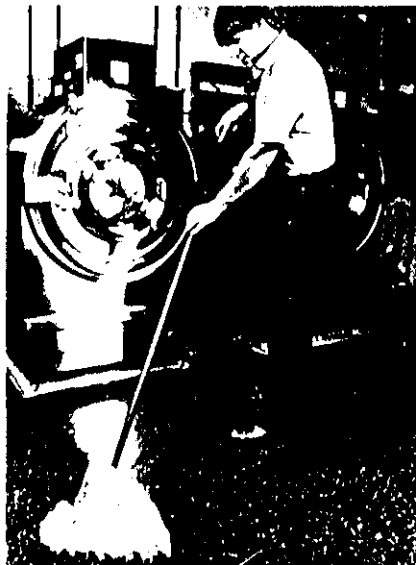
Guarantee: Spartan Chemical Company, Inc. guarantees uniform quality. All products are uncondensed. Unused portion may be used.



PSQ™

Disinfectant Cleaner

Spartan®



PSQ is a disinfectant cleaner formulated to provide the broad spectrum from bacteria to activity of quaternary ammonium, and fragrances of a fine pine scent.

Effective Cleaner:

PSQ is a tough performing cleaner for quick removal and emulsification of oily and greasy soils. It is an excellent general purpose cleaner for a variety of surfaces.

Broad Spectrum Disinfectant:

PSQ is a powerful disinfectant cleaner disinfects 1300 kinds of harmful bacteria and other organisms. It is mostly used in hospital locker rooms, health department and other large plants.

Deodorizes:

PSQ destroys bacteria and the unpleasant odors they produce. It is an excellent deodorizer for plants.

Inhibits Mold and Mildew

PSQ inhibits mold and prevents the growth of mold and mildew.

- Staphylocidal
- Pseudomonicidal
- Salmonellacidal
- Fungicidal

EPA Reg. No. 422-331-50
EPA Est. No. 331-913

ACCEPTED

OCT 05 1985

Environmental Health Service
F. W. Taylor, Director
as required by the Federal Act
to amend and
EPA Reg. No. 422-331-50

PSQ's special formulation provides the "bloom" and fragrance of pine oil with the broad spectrum bactericidal activity of quaternaries.

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Pine oil	1.00%
Octyldecyl dimethyl ammonium	
chloride	0.90%
Dioctyl dimethyl ammonium	
chloride	0.45%
Didecyl dimethyl ammonium	
chloride	0.45%
INERT INGREDIENTS	95.50%

Specific Gravity - 1.037 at 24°C (75°F)
 pH (Concentrate) - 11.0-11.7
 Form - Liquid
 Color - Green
 Viscosity - None
 Miscibility - Completely miscible in all proportions with hot or cold water
 Stability
 a) Shelf at 24°C (75°F) - one year minimum
 b) Freeze/Thaw - Freezes and thaws with perfect clarity

Will not reduce the effectiveness of conductive flooring - initial reading 250,000 ohms, final reading after six washes 250,000 ohms.
 Acute Oral Toxicity - 8.6 ml/kg for rats orally



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***FUNGICIDAL ACTIVITY:** Apply PSQ at 2 oz. per gallon of water to be cleaned surfaces with a mop, cloth or spray device. Treated surfaces must remain wet for 30

minutes. Prepare fresh solution for each application. For heavily soiled surfaces, a preliminary cleaning is required.

MOLD AND MILDEW: When used as directed, PSQ removes mold and mildew stains and odor. To control their growth, apply PSQ at 2 oz. per gallon as directed above. Do not rinse. Repeat application as necessary to maintain control.

Packaging:

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PSQ is a bactericide:

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Tests run with 5% Blood Serum

PSQ at 1:64	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth	Tubes Tested	Tubes Showing Growth
Sample A	60	0	60	0	60	0
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Conclusion: PSQ is an effective bactericide at 2 oz. per gallon of water.

PSQ is a fungicide: When applied at 2 oz. per gallon to a pre-funged surface, PSQ has been shown to be effective against the pathogenic fungus which causes athlete's foot, *Trichophyton mentagrophytes*. Test method: AOAC Fungicide Test Part 4078.4022

PSQ Sample dilution	Organism <i>Trichophyton mentagrophytes</i> ATCC 9533		
	5 minutes	10 minutes	15 minutes
1:48	+	+	+
1:58	+	+	+
1:64	+	+	+
1:77	+	+	+
1:84	+	+	+
Phenol Resistance	1:60	+ = growth	- = no growth

Conclusion: PSQ kills athlete's foot fungus at 2 oz. per gallon.

PSQ is fungistic: Results of the activity of PSQ when tested according to the EPA Hard Surface Mildew Fungicide Test Method show that PSQ used at 2 oz. per gallon inhibits the growth of mold and mildew.

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 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 clothing immediately before reuse. If swallowed, drink milk, egg white, gelatin solution, and if there are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

Probable mucous membrane irritation may contraindicate the use of topical surgery. Measures against anemia, shock, respiratory depression and convulsions may be needed.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
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Container Disposal: Do not reuse for any other purpose. Then offer for recycling or incineration, as permitted, and disposal of in a sanitary landfill, or by other procedures approved by state and local authorities.

Distributed by:

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