

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM 31 47371-92

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DEC 28 1989

H&S Chemicals Division
970 East Tipton Street
Huntington, IN 46750

Attention: Richard D. Sheets

Gentlemen:

Subject: HS-65 Winterizing Algaecide Concentrate
EPA Registration No. 47371-92
Your Application Dated May 25, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable and a stamped copy is enclosed for your records.

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,



John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosure

58371:I:DeLaney:L-3:KENCO:12/6/89:1/16/90:dg:sw:vo:ek:dg

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

244

Formulation HS-65

winterizing algaecide concentrate

An outstanding algae growth depressant. Keeps pools free of algae and slime. Reduces need for other chemicals. Improves filter operation. Compatible with most pool treatment chemicals. Will not damage tile, concrete, metal or plastics. Efficient...Economical...Stable. An aid in prevention of algae in swimming pools during the winter months when the pool is taken out of service.

DIRECTIONS FOR USE

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

SWIMMING POOL ALGAECIDE

Effective against *Chlorella pyrenoidosa* (green algae), *Phormidium luridum* (black algae), *Phormidium inundatum* (blue-green algae), *Lyngbya versicolor* (blue-green algae), and *Pleurochloris meiringensis* (mustard algae).

APPLICATION: For all applications, apply equal amounts of HS-65 Winterizing Algaecide Concentrate along pool edges around the circumference of the pool. Circulate or stir water for uniformity throughout the pool.

MAINTENANCE DOSE: Use 32 fl. oz. per 5,000 gallons of water.

POOL-SIDE SURFACES: Pool-side surfaces should first be cleaned with a recommended detergent product. For spring opening, the winterized pools should be cleaned and vacuumed.

NOTE: Before entering the pool, check the quat residual, allow pool to stand until below 2.0 ppm.

For use in outdoor whirlpools, spas and hot tubs. Fill whirlpool, spa or hot tub with water. Add 1/8 fl. oz. per 20 gallons of water (2 ppm active quat). Drain and disinfect whirlpool, spa or hot tub after each use with a suitable disinfectant.

Active Ingredients:

Alkyl (C ₁₄ 60%, C ₁₂ 25%, C ₁₆ 15%) dimethyl benzyl ammonium chloride	5.00%
Inert ingredients	95.00%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

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 whites, gelatin solution or, if these are not available, drink large quantities of water. Call a physician.

STORAGE AND DISPOSAL

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

- Do not contaminate water, food, or feed by storage or disposal.
- Open dumping is prohibited.
- Do not reuse empty container.

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

PLASTIC CONTAINERS

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.

FIBER DRUMS WITH LINERS

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

METAL CONTAINERS

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.

GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.

EPA Reg. No. 47371-92 EPA Est. No. 47371-IN-01

NET CONTENTS _____

H & S CHEMICAL DIVISION

970 East Tipton, Huntington, IN 46780 (219) 386-7073

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H&S Chemicals Division

Formulation HS-65

winterizing algaecide concentrate (5%)

An outstanding algae growth depressant. Keeps pools free of algae and slime. Reduces need for other chemicals. Improved filter operation. Compatible with most pool treatment chemicals. Will not damage tile, concrete, metal or plastics. Efficient...Economical...Stable. An aid in prevention of algae in swimming pools during the winter months when the pool is taken out of service.

INGREDIENTS

Percent by Weight

FMB 65-15 QUAT (50%)
Deionized Water

10.0%
90.0%

— OR —

FMB 65-28 QUAT (90%)
Deionized Water

6.25%
93.75%

Winterizing algicide concentrate

An outstanding algae growth depressant. Keeps pools free of algae and slime. Reduces need for other chemicals. Improves filter operation. Compatible with most pool treatment chemicals. Will not damage tile, concrete, metal or plastic. Safe... Safe... Safe. An aid in prevention of algae in swimming pools during the winter months when the pool is taken out of service.

DIRECTIONS FOR USE

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

SWIMMING POOL ALGICIDE

Effective against Chlorophyll (green algae), Phormidium (black algae), Pseudomonas (blue-green algae), Lyngbya (blue-green algae), and Plectononcha (greenish yellow algae).

APPLICATION: For all applications, apply equal amounts of HG-66 Winterizing Algicide Concentrate along pool edges around the circumference of the pool. Cleanse or stir water for uniformity throughout the pool.

MAINTENANCE DOSE: Use 22 fl. oz. per 5000 gallons of water.

POOL-SIDE SURFACES: Pool-side surfaces should first be cleaned with a recommended detergent product. For spring opening, the winterized pools should be cleaned and resurfaced.

For use in outdoor swimming pools, spas & hot tubs

Fill whirlpool, spa or hot tub with water. Add 1/2 fl. oz. per 20 gallons of water (2 ppm active ingredient)

Drain & disinfect whirlpool, spa or hot tub after each use with a suitable disinfectant.

ACTIVE INGREDIENTS:

Algal (dimethyl benzyl ammonium chloride)

100% (Ca 50%, Cu 20%, Zn 10%)

OTHER INGREDIENTS:

Total

EPA
REG. NO.
47371-92

**KEEP OUT OF REACH OF CHILDREN.
DANGER**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

Keep Out of Reach of Children

ACCEPTED
DEC 28 1989
U.S. Dept. of Agriculture
Federal Insecticide, Fungicide, and Rodenticide Act
Registered for the pesticide
under 47371-92
EPA Reg. No.

Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

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 whites, gelatin solution or, if these are not available, drink large quantities of water. Call a physician.

STORAGE AND DISPOSAL

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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

—Open dumping is prohibited.

—Do not reuse empty containers.

PESTICIDE DISPOSAL:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray material, 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:

PLASTIC CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other means approved by state and local authorities, if buried, stay out of reach.

METAL CONTAINERS WITH LINES

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residues into appropriate receptacle. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If allowed, the container and cannot be reused, dispose of in the same manner.

METAL CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other means approved by state and local authorities.

GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.

EPA Reg. No. 47371-92 EPA Est. No. 47371-01-01
H&S Chemical Division, 570 East Tipton, Huntington, IN 46788

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