

PM 22 8590-670 7/10/82

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON DC 20460	EPA REGISTRATION NO. 8590-670	DATE OF ISSUANCE 7/10/82
	TERM OF ISSUANCE Conditional	
	NAME OF PESTICIDE PRODUCT Agway Copper Sulfate	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGERISTRATION  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Agway, Inc.  
 Chemical Division  
 P.O. Box 4853  
 Syracuse, NY 13221

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.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling change before you release the product for shipment: Add the phrase "EPA Registration No. 8590-670."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

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

Cynthia Giles-Parker

Product Manager (22)  
 Fungicide-Herbicide Branch  
 Registration Division (H7505C)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL [Signature]	DATE
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PM22 8590-670

2015

AGWAY

COPPER SULFATE

FOR AGRICULTURAL OR COMMERCIAL USE ONLY

FOR THE CONTROL OF ALGAL POND SCUM AND  
ALGAL WATER BLOOM IN FARM PONDS.

ACTIVE INGREDIENT:

Copper sulfate pentahydrate

99%

INERT INGREDIENTS:

1%

TOTAL 100%

Copper as metallic - 25.2%

KEEP OUT OF REACH OF CHILDREN  
DANGER

See additional precautionary statements on back panel

EPA Reg. No. \_\_\_\_\_

EPA Est. No. 4-NY-1

Manufactured for:  
Agway, Inc.  
Chemical Division  
P.O. Box 4853  
Syracuse, NY 13221

NET CONTENTS 5 lb (2.27 kg)

**ACCEPTED**  
27  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 8590-670

204-5

## COPPER SULFATE

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

**DANGER** - Causes severe eye and skin irritation. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with the skin, eyes, or clothing. Avoid breathing dust. Protective clothing, including goggles, should be worn. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### STATEMENT OF PRACTICAL TREATMENT

IF IN EYES, flush with plenty of water. Call a physician. IF ON SKIN, wash with plenty of soap and water. Get medical attention. IF SWALLOWED, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Direct application of copper sulfate to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Do not contaminate water when disposing of equipment washwaters.

**DO NOT USE IN TROUT PONDS:** Many states require a permit prior to treatment of pond with this material. The user should consult proper authorities as to any restrictions.

**FISH SAFETY:** Treatment of algae can result in oxygen loss from decomposition of dead algae. This loss can cause fish suffocation. Therefore, if algae are visible, treat no more than 1/3 to 1/2 of the total pond at one time and wait 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas.

Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acid waters. However, fish toxicity generally decreases when the hardness of the water increases. Consult your State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters.

#### PHYSICAL/CHEMICAL HAZARDS

Solutions of copper sulfate pentahydrate displace galvanized coating on steel containers. Use painted, enameled or copper coated containers for handling, mixing and spraying solutions.

DIRECTIONS FOR USE

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

Do not use water for any purpose for 7 days after treatment.

READ THESE ENTIRE DIRECTIONS AND DISCLAIMER. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store unused product in original container only. Store in a cool, dry area out of the reach of children and animals. Not for storage in or around the home. Protect from excess heat.

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

TIMING: Apply when the algae first appear, usually in early summer after the water temperature is 60°F or above. If filamentous algae is abundant, apply during an afternoon following a sunny morning - since then a large amount of the algal mat is likely to be floating on the surface.

If the pond has a water supply that can be controlled, the water should be shut off or diverted before beginning to treat each section. About 3-4 days after treatment, or when the plants have started to die, the water may be turned on again.

In regions where ponds freeze in winter, algae should be controlled 6-8 weeks before the time ice formation is expected to prevent the occurrence of masses of decaying algae under an ice cover.

AMOUNT TO USE: Use 2 3/4 - 5 1/2 lbs per acre-foot of water (325,850 gallons) equivalent to 1-2 ppm of copper sulfate pentahydrate, depending upon the hardness of the water and density of algal growth. Use the higher rate only for hard water and dense growth of algae. Repeat treatments as necessary.

2075

Pond Volume	Concentrate of copper sulfate pentahydrate desired	
$\frac{\text{Acre-feet} = \text{Gallons}}{1.0 \quad 325,850}$	$\frac{1 \text{ ppm}}{2 \frac{3}{4} \text{ lbs}}$	$\frac{2 \text{ ppm}}{5 \frac{1}{2} \text{ lbs}}$

It is important to determine the pond volume in acre-feet. Don't guess - the formula follows:

Rectangular ponds =  $\frac{\text{length (ft)} \times \text{width (ft)}}{43,560}$  X Average depth of water

Round ponds =  $\frac{(\text{total ft. of shoreline}) \times (\text{total ft. of shoreline})}{547,390}$   
 X Average depth of water

If the above method can't be used, a Soil Conservation Service Technician, County Agricultural Agent or civil engineer should be consulted.

**METHOD:** Dissolve the required quantity of copper sulfate pentahydrate in an amount of water needed for uniform spraying. Spray over the surface of water, particularly above areas of algae growth.

If the algae cover more than one third of the total pond area, treat the pond in sections and allow enough time between the treatment of each section for the algae to decompose and to disappear below the surface. A week or more may be required to produce this amount of decomposition. Sectional treatments help to prevent loss of fish.

**WARRANTY AND LIMITATION OF DAMAGES**

**DISCLAIMER:** Buyer assumes all risks of use, storage or handling not in strict accordance with directions given herewith.

**NOTE:** This pesticide is to be sold ONLY in this original unbroken package.