

NET WT. 100 LBS.

ACCEPTED

APR 10 1975

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended for the pesticides
registered under
EPA Reg. No. 722-17.

COPPER SULFATE

MEDIUM CRYSTALS

ACTIVE INGREDIENT:
COPPER SULFATE (PENTAHYDRATE) ... 99%
(FOR PREPARATION OF TALCO, 2)
INERT INGREDIENT 1%

FOR MANUFACTURING, REPACKING, FORMULATING
AND OTHER INDUSTRIAL USES
FOR ALGAE CONTROL SEE DIRECTIONS
DIRECTIONS

1. The following is a summary of the information received from the above sources regarding the activities of the above named individuals in the United States and the results of the investigation conducted by the FBI in the United States and the results of the investigation conducted by the FBI in the United States:

NOTES: Time and content of this report is subject to change. The information presented in this table is preliminary and subject to change. The information presented in this table is preliminary and subject to change. The information presented in this table is preliminary and subject to change.

CAUTION: KEEP OFF REFRIGERATOR COMPARTMENT WARDEN: DO NOT
 Contaminated water. By cleaning, the refrigerator compartment is washed.

[illegible]

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100-10414
100-10415

CITIES SERVICE COMPANY
COPPERHILL OPERATIONS
COPPERHILL, TENNESSEE

NET WT. 100 LBS

CITCO
MEDIUM
CRYSTALS

MEDIUM CRYSTALS

citico

NET WT. 100 LBS.

OUTLINE

DIRECTIONS

To Control Algae in Impounded Waters, Lakes, Ponds, and Reservoirs, see our Bulletin 75A for detailed instructions. Apply the lowest rate necessary to control problem algae.

Begin treatment around the shallow edges of the body of water where growth first appears. If the entire body of water is infested, treat only 1/4 to 1/2 of the water area in a single operation and wait 10 to 14 days between treatments. If treated water is to be used as a source of potable water, the metallic copper residual must not exceed 1 ppm of ppm copper sulfate pentahydrate.

To Control Algae and the Proliferation of Pondweeds, Leafy and Sagittate in Irrigation Conveyance Systems, use the continuous application method. Selecting proper equipment to supply copper sulfate granular crystals as follows: For Algae Control, begin continuous addition of granular copper sulfate when water is first turned into the system and continue throughout the irrigation season applying 0.1 to 0.2 lbs. per cubic foot per second per day. For Leafy and Sagittate Pondweed Control, use the same continuous method applying 1.6 to 2.4 lbs. per cubic foot per second per day. Note: For best control of leafy and sagittate pondweed, it is essential to begin copper sulfate additions when water is first turned into the system or ditch to be treated and continued throughout the irrigation season. Copper sulfate becomes less effective as the bicarbonate alkalinity increases. Its effectiveness is significantly reduced when the bicarbonate alkalinity exceeds about 150 ppm as CaCO_3 . Should copper sulfate fail to control pondweeds satisfactorily, it may be necessary to treat the ditch with either a suitable approved herbicide or use mechanical means to remove excess growth. In either case resume copper sulfate addition as soon as possible.

To Control Algae in Irrigation Conveyance Systems Using the Slug Application Method, make a dump of copper sulfate into the irrigation ditch or lateral at 1/4 to 2 lbs. per cubic foot per second of water per treatment. Repeat about every 2 weeks as needed. A dump is usually necessary every 5 to 30 miles depending on water hardness, alkalinity and algae concentration. Copper sulfate becomes less effective as the bicarbonate alkalinity increases. Its effectiveness is significantly reduced when the bicarbonate alkalinity exceeds about 150 ppm as CaCO_3 .

To Control Root Growth in Sewer Pipes, reducing flow, use granular copper sulfate as follows:

Household Sewers: Use 2 to 6 lbs. of copper sulfate granular crystals twice yearly in spring and early fall. Apply in toilet bowl nearest to sewer line using 1/2 lb. at a time and flushing each 1/2 lb. portion, or remove clean-out plug and pour entire quantity of granular crystals directly into sewer line and flush into the pipe with water. For additional details write for our booklet on the use of Copper Sulfate for Control of Roots in Sewers. Note: Do not apply in sink or tub drains.

Commercial, Institutional and Municipal Sewers: use as follows:

Sewage: Use 2 lbs. of granular copper sulfate crystals each 6 to 12 manholes, applied into each junction or lateral manhole.

Storm Pipes: Use 2 lbs. of granular crystals per drain per year. Apply during period of light flow. In dry weather introduce a flow with a hose. If storm drains become almost plugged, repeat treatment 3 or 4 times at 2 week intervals.

Sewer Pumps and Force Mains: Place 2 lbs. of granular crystals in a cloth bag at the storage well inlet. Repeat as needed.

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

CAUTION: Keep out of reach of children. Harmful if swallowed.

Do not reuse container. Destroy when empty.

ACCEPTED

SEP 24 1975

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1109-20

NET WT. 100 LBS.

CITCO GRANULAR CRYSTALS

NET WT. 100 LBS.

COPPER SULFATE

GRANULAR CRYSTALS

ACTIVE INGREDIENT:
COPPER SULFATE (PENTAHYDRATE) 99%
INERT INGREDIENT: 1%
COPPER EXPRESSED AS METALLIC COPPER

FOR MANUFACTURING, REPACKAGING, FORMULATING AND INDUSTRIAL USES

SEE REVERSE SIDE FOR DIRECTIONS TO CONTROL:

ALGAE IN IMPOUNDED WATERS, LAKES, PONDS AND RESERVOIRS.
ALGAE AND PONDWEED CONTROL IN IRRIGATION CONVEYANCE SYSTEMS.
ROOTS GROWING IN SEWER PIPES REDUCING FLOW.

NOTE: Trout and certain 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 Agencies before applying this product, especially to public waters.

CAUTION: KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED

Do not reuse container. Destroy when empty.

Seller's guarantee shall be limited to the terms of the label, and subject thereto the buyer assumes any risk to person or property arising out of use or handling and accepts the products on these conditions.

EPA Reg. No. 1109-20-0A
EPA Est. No. 1109-TN-1

CITIES SERVICE COMPANY
COPPERHILL OPERATIONS
COPPERHILL, TENNESSEE

CITCO

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