

81882-2

7/27/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

JUL 27 2010

Ms. Peggy Galloway
Freeport-McMoran Sierrita Inc.
c/o Landis International, Inc, Agent For
PO Box 5126
Valdosta, GA 31603-5126

Dear Ms. Galloway:

Subject: Triangle Brand Copper Sulfate Crystal
EPA Registration No. 81882-2
EPA Decision Number 432783
Label Amendment - PRN 2001-1
Your Application Dated 2/5/2010

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Janet Whitehurst by phone at (703) 305-6129 or via email at whitehurst.janet@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish".

Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7504P)

Enclosure

2/11

TRIANGLE BRAND COPPER SULFATE CRYSTAL

FOR CONTROL OF WEEDS, ALGAE, SNAILS, AND MICROSCOPIC ORGANISMS IN IMPOUNDED WATER SOURCES (e.g., TANKS, RACEWAYS, PONDS, LAKES, AND RESERVOIRS)

ACTIVE INGREDIENT:

Copper sulfate pentahydrate*.....	99.0%
OTHER INGREDIENTS.....	1.0%
TOTAL.....	100.0%

*Metallic copper equivalent 25.2%

Copper sulfate pentahydrate/CAS No. 7758-99-8: sulfuric acid, copper (2+)salt(1:1)/
CAS No. 7758-98-7; Water/CAS No. 7732-18-5

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)**

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> • 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 Swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for further treatment advice.
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	
See side panel for additional precautionary statements.	

EPA Reg. No. 81882-2

EPA Est. No. 081882-AZ-001

Net Weight: 50 Lbs/22.68 Kg.

ACCEPTED

JUL 27 2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 81882-2

Manufactured By:
FREEPORT-MCMORAN SIERRITA INC.
 P. O. Box 527
 Green Valley, AZ 85622-0527

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER/PELIGRO**

Corrosive. Causes irreversible eye damage. Avoid contact with skin or clothing. May be fatal if swallowed. Do not get in eyes, skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Keep out of reach of pets.

For applications in waters destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 1.0 ppm as metallic copper in these waters.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear long-sleeve shirt and long pants, shoes plus socks, chemical-resistant gloves made of any waterproof material, and protective eyewear (goggles, face shield or safety glasses).

Some materials that are chemical-resistant to this product are: polyethylene, polyvinyl chloride, barrier-laminate, and butyl, nitrile, neoprene, and natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

USER SAFETY RECOMMENDATIONS

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Users must wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required.

Certain water conditions including low pH (≤ 6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, shoes plus socks, chemical-resistant gloves made of any waterproof material, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Applicators and other handlers who made this pesticide for any use not covered by the Worker Protection Standard (40 CFR Part 170) must wear long-sleeved shirt, chemical-resistant gloves made of any waterproof material, shoe plus socks, and protective eyewear.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if

- a) conditions of temperature inversion exist, or
- b) stable atmospheric conditions exist at or below nozzle height.

Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

- The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

CONTROL OF ALGAE AND TADPOLE SHRIMP (TRIOPS LONGICAUDATUS) IN RICE FIELDS (DOMESTIC AND WILD)

Tadpole shrimp in rice fields may be effectively controlled by the prompt and proper use of Copper Sulfate Crystal. After the rice has been flooded to a depth of 3 inches, the Copper Sulfate Crystal should be uniformly applied at a rate of 2.5 to 3.75 pounds per acre at the first sign of infestation. Following these directions carefully one must keep the concentration of copper sulfate less than 10 ppm (2.5 ppm metallic copper). The "Diamond" size crystals are especially graded for maximum solubility.

Algae in rice fields may be effectively controlled by the prompt and proper use of Copper Sulfate Crystal. After the rice has been flooded to a depth of 3 inches, the Copper Sulfate Crystal should be uniformly applied at a rate of 2.7 pounds per acre at the first sign of algae. Following these directions carefully one must keep the concentration of copper sulfate less than 4 ppm (1 ppm metallic copper). The "Diamond" size crystals are especially graded for maximum solubility.

SEWER TREATMENT FOR ROOT AND FUNGUS CONTROL

Roots of shrubbery and trees growing near sewer lines frequently penetrate sewer lines in search of moisture and nutrients. If not controlled, root hairs will grow in diameter and number causing tile breakage, gradual reduced flow, and sometimes complete stoppage. Copper Sulfate Crystal is effective in keeping sewer lines free of roots. It is safe for drain systems and does not harm outdoor shrubbery or trees. Do not apply into sink or tub drains as it will corrode these metal drains.

FOR PARTIAL STOPPAGE: Add 1/2 pound of Copper Sulfate Crystal to sewer or drain and flush toward blockage with 5 gallons of water. Repeat at 6 month intervals to prevent growth of new roots.

FOR COMPLETE STOPPAGE: Physically remove the root blockage and repeat as above.

FOR HOUSEHOLD SEWERS: Use 2 lbs. Copper Sulfate Crystal up to two times/year (6 month intervals) in spring and early fall. Apply in toilet bowl near sewer line. Flush 1/2 lb portions at a time. Or, remove the cleanout plug and pour entire quantity directly into sewer line and flush with water.

If system is equipped with a septic tank, copper sulfate will be precipitated in the septic tank and little will pass into the absorption drain field. To treat drain field pipes, add 2 lbs. of Copper Sulfate Crystal to distribution box located between the septic tank and the drain field. If distribution box does not have an opening, it would be advisable to install a cleanout plug opening into the outlet pipe from the septic tank leading to the drain field for effective root control in the drain field pipes.

NOTE: Laboratory studies have shown that copper sulfate added to an active 300 gal. septic tank at 2 lbs. per treatment temporarily reduced bacterial action, but it returned to normal 15 days after treatment. Trees and shrubbery growing near a treated line normally will have only a small portion of their roots in contact with the copper sulfate that primarily kills only those roots inside the pipe, thus not affecting the growing plants.

FOR COMMERCIAL, INSTITUTIONAL AND MUNICIPAL USE:

SEWERS: Use 2 lbs. of Copper Sulfate Crystal up to two times/year (6 month intervals) at 2 lbs. to each junction or terminal manhole.

STORM DRAINS: Use 2 lbs. of Copper Sulfate Crystal per drain per year. Apply during period of light flow. In dry weather, induce a flow with hose. If storm drains become almost plugged, repeat treatment up to two times/year (6 month intervals) at 2 lbs. each.

SEWER PUMPS AND FORCE MAINS: Place 2 lbs. of Copper Sulfate Crystal in a cloth bag at the storage wall inlet. Repeat as needed at 6 month intervals.

*State laws prohibit the use of this product in sewage systems in Connecticut and in the following nine counties in California: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma.

**CONTROL OF WEEDS, ALGAE, AND MICROSCOPIC ORGANISMS IN
IMPOUNDED WATER SOURCES
(e.g., TANKS, RACEWAYS, PONDS, LAKES, AND RESERVOIRS)**

It is a violation of New York State Law for anyone to apply this product to surface waters unless he is either privately or commercially certified in category 5 (aquatic), or possesses a purchase permit for the specific application proposed.

To control weeds, algae, and microscopic organisms do not exceed 4 ppm Copper Sulfate Crystal (1 ppm metallic copper). Copper Sulfate Crystal may be reapplied every 14 days. No more than 1/2 of the water body may be treated at one time.

If treated water is to be used as an eventual source of potable water (after further treatment), the metallic residual must not exceed 1 ppm copper. This equals 10.64 pounds per acre foot of water or 4 ppm of this product.

PRECAUTION CONCERNING FISH: The treatment of algae with Copper Sulfate Crystal can result in oxygen loss in the water from decomposition of dead algae. This can cause the fish to suffocate. Care should be taken when water temperature exceeds 85°F. At this water temperature, aquatic plants treated with copper sulfate decompose rapidly causing an increase in oxygen depletion. Therefore, to minimize this hazard, treat 1/3 to 1/2 of the water area in a single operation. Wait 7 to 14 days between treatments. Begin treatments along the shore and proceed outwards in bands to allow fish to move into untreated water. When fish are present levels must not exceed 1.6 ppm Copper Sulfate Crystal (0.4 ppm metallic copper).

APPLICATION BY DRAGGING COPPER SULFATE CRYSTAL UNDER WATER-Copper Sulfate Crystal is placed in burlap bags or baskets and dragged through the water by means of a boat. Begin treatment along the shoreline and proceed outward until 1/3 and 1/2 of the total area has been treated. The path of the boat should insure a distribution that is even. In large lakes, the boat should move in parallel lines about 60 feet apart. Continue dragging until all of the weighed Copper Sulfate Crystal is dissolved.

APPLICATION BY SPRAYING COPPER SULFATE CRYSTAL SOLUTION ON WATER SURFACE: A solution can be made with Copper Sulfate Crystal which dissolve easily in water. This solution can be sprayed on the pond or lake surface from a boat. When using this method, the wind direction is important as well as the operation of the boat. Do not endanger people or animals in the boat with the copper sulfate spray.

APPLICATION BY INJECTING COPPER SULFATE SOLUTION IN WATER: A solution can be made with Copper Sulfate Crystal. This solution can then be injected into the water via a piping system.

APPLICATION BY BROADCASTING DRY COPPER SULFATE CRYSTAL: Crystals may be broadcast directly on the water surface from the shore or from a properly equipped boat. Triangle Brand Crystals ranging from ±10 mesh to ±1/2 inch are preferred for this method of application. A specifically equipped air blower can be used to discharge these size crystals at a specific rate over the surface of the water. When using this method, the wind direction is an important factor. Do not use this method unless completely familiar with this type of application.

APPLICATION BY SPRAYING DRY COPPER SULFATE CRYSTAL FROM AIRPLANES AND HELICOPTERS: Professional personnel licensed by the State Agricultural Extension Service are allowed to apply Copper Sulfate Crystal in some states.

HOW TO FIND THE POUNDS OF COPPER SULFATE TO ADD TO WATER

To find acre-feet of water in a body of water, measure the body of water in feet. Calculate the surface area in square feet, divided by 43,560 (sq. ft./acre) times the average depth in feet

1 acre-foot of water = Water measuring 208.7 ft. long by 208.7 ft. wide by 1 ft. deep.
 1 acre-foot of water = 43,560 cubic feet of water
 1 cubic foot of water = 62.4 pounds.
 1 acre-foot of water = (43,560)(62.4) = 2,720,000 pounds.

COPPER SULFATE PENTAHYDRATE IN WATER

POUNDS OF COPPER SULFATE CRYSTAL PER ACRE-FOOT OF WATER	PARTS (BY WT.) COPPER SULFATE CRYSTAL PER MILLION PARTS (BY WT.) OF WATER	PARTS (BY WT.) COPPER PER MILLION PARTS (BY WT.) OF WATER
0.68#/acre-foot	= 1/4ppm	= 0.0625 ppm
1.36#/acre-foot	= 1/2ppm	= 0.125 ppm
2.72#/acre-foot	= 1ppm	= 0.25 ppm
5.44#/acre-foot	= 2ppm	= 0.50 ppm

TREATMENT OF SOME ALGAE WITH COPPER SULFATE CRYSTAL

Dosage is in ppm of Copper Sulfate Crystal. The higher concentration is required if the water is hard. Consult with the State Fish and Game Agency before applying product in municipal waters.

ORGANISMS	RATES			
	0.25 to 0.50 ppm	0.50 to 1.00 ppm	1.00 to 1.50 ppm	1.50 to 2 ppm
CYANOPHYCEAE (BLUE GREEN)	Anabaena	Cylindrospermum	Nostoc	Calothrix
	Anacystis	Oscillatoria	Phormidium	Symploca
	Aphanizomenon	Plectonema		
	Gloeotrichia			
	Gomphosphaeria			
	Polycystis			
	Rivularia			
CHLOROPHYCEAE (GREEN)	Closterium	Botryococcus	Chlorella	Ankistrodemus
	Hydrodictyon	Cladophora	Crucigenia	Chara
	Spirogyra	Coelastrum	Desmidium	Nitella
	Ulothrix	Draparnaldia	Golenkinia	Scenedesmus
		Enteromorpha	Oocystis	
		Gloeocystis	Palmella	
		Microspora	Pithophora	
		Tribonema	Staurastrum	
		Zygnema	Tetraedron	
DIATOMACEAE (DIATOMS)	Asterionella	Gomphonema	Achnanthes	
	Fragilaria	Nitzschia	Cymbella	
	Melorias	Stephanodiscus	Neidium	
	Navicula	Synedra		
		Tabellaria		
PROTOZOA (FLAGELLATES)	Dinobryon	Ceratium	Chlamydomonas	Eudorina
	Synura	Cryptomonas	Hawmatococcus	Pandorina
	Uroglena	Euglena	Peridinium	
		Glenodinium		
		Mallomonas		

CONTROL OF WEEDS AND ALGAE IN FLOWING WATER

Potamogeton pondweeds, leafy and sago, in irrigation conveyance systems: Use the continuous application method, selecting proper equipment to supply Copper Sulfate Crystal at 0.25 to 0.5 pounds per hour for each cubic foot per second of flow for 12 hours of each 24 hours. For best control, begin copper sulfate additions when water is first turned into system to be treated and continue throughout the irrigation season. Copper Sulfate Crystal becomes less effective for mature plants. Copper Sulfate Crystal becomes less effective as the bicarbonate alkalinity increases and is substantially reduced above 150 ppm as CaCO₃. Mechanical or other means may then be required to remove excess growth.

Algae (such as filamentous green, pigmented flagellates, diatoms) in irrigation conveyance systems: Begin continuous addition when water is first turned on, using suitable equipment to uniformly deliver 0.1 to 0.2 pounds of Copper Sulfate Crystal per hour per cubic foot per second of flow for 12 of each 24 hours. (Note: Copper Sulfate Crystal comes in several "free flowing" crystal sizes but should be selected to match requirements of your feeder.)

Algae and weeds in irrigation systems by "slug" method of addition: Make a dump of Copper Sulfate Crystal into the irrigation ditch or lateral at 1/2 to 2 pounds 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.

Do not exceed 4 ppm (1.0 ppm as metallic copper) for any application.

CONTROL OF SNAILS IN IMPOUNDED WATERS

Application to Recreational Lakes, Reservoirs, and Ponds (Golf, Farm, Fish and Fire): Apply 5.44 – 10.88 lbs/acre-ft. Copper Sulfate Crystal (i.e. 2-4 ppm copper sulfate crystal), is usually sufficient for treatment of fresh water snails. Use surface area in acres multiplied by average depth in feet to determine water volume and application rate. Apply only along shoreline swimming areas and/or to infected snail beds on a calm sunny day when water temperature is at least 60° F. Do not allow swimming for at least 12 hours following treatment. If this lower dosage is not sufficient, up to 6 ppm copper sulfate, i.e. 16.32 lbs/acre-ft. bottom surface area can be applied. Do not allow swimming for 48 hours. Using either dosage, a second application may be necessary, 10 to 14 days later. DO NOT make more than two applications per calendar year. Apply by broadcast using boat, aircraft, or hand equipped with power or hand seeder or underwater dispenser. Do not exceed 1.0 ppm copper (4 ppm copper sulfate) in potable water systems. This labeling must be in the possession of the user at the time of pesticide application.

NOTE: In the state of New York – For use in Recreational Lakes, Reservoirs, and Ponds (Golf, Farm, Fish and Fire) ONLY in areas where infected snails have been identified. Apply medium grade crystals by hand broadcast method of application only. This product is a restricted use pesticide in New York State. Pesticide applicator certification or a special use permit is required for sale, possession, or use. Each individual treatment must be approved by the Department of Environmental Conservation. Therefore, you must contact the Pesticide Control Specialist at the appropriate regional office of the Department 30 days in advance of the proposed treatment.

CONTROL OF ALGAE AND BACTERIAL ODOR IN SWIMMING POOLS

Apply 1 to 2 lbs. of Copper Sulfate Crystal per 60,000 gals. (8,000 cu.ft.) of water. This will result in a concentration of 0.5 to 1.0 ppm of dissolved copper. Dissolve the required amount of copper sulfate in a plastic container and pour the solution into the pool. Use the higher rate where visible algae present. For maintenance dosages, use the lower rate. Repeat the lower rate to control the recurrence of algae and avoid the buildup of copper. Copper Sulfate Crystal may be used to help control pool odors and algae during the winter months. Apply the higher rate while the pool is not being used during the winter. Treated pool effluent should not be discharged where it will drain into lakes, streams, ponds, or public water.

CONTROL OF ALGAE AND BACTERIAL ODOR IN SEWAGE LAGOONS AND PITS (Except California)

Application rates may vary depending on amounts of organic matter in effluent stream or retention ponds. Use 2 lbs. of Copper Sulfate Crystal in 60,000 gals. (8,000 cu. ft.) of effluent to yield 1 ppm of dissolved copper. Dosage levels may vary depending upon organic load.

Other Organic Sludges: Copper Sulfate Crystal solution must be thoroughly mixed with sludge. Dissolve 2 lbs. in 1-2 gals. of water and apply to each 30,000 gals. of sludge.

Useful formulas for calculating water volume and flow rates. Multiply the water volume in cu. ft. times 7.5 to obtain gallons.

- Note: 1 C.F.S./Hr. = 27,000 Gals.
- 1 Acre Foot = 326,000 Gals.

CONTROL OF ALGAE AND BACTERIAL ODOR IN WATERSCAPES, DECORATIVE POOLS AND FOUNTAINS

Apply in the spring or early summer when algae and bacteria first appear. The dosages are variable and depend upon algae/bacteria species, water hardness, water temperature, amount of algae and bacteria present as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with temperatures above 60°F. Higher dosages are required at lower water temperatures, higher algae and bacteria concentrations and for hard waters. For each 7,500 gals. of water, dissolve 1/4 lb. Copper Sulfate Crystal in one gallon of water. Pour the solution into the water to be treated. Several application points speed up dispersal. Static water requires less chemical than does flowing water. If uncertain about the dosage, begin with a lower dose and increase until control is achieved or until the maximum allowable level of metallic copper (1 ppm) has been reached.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store unused product in original container only in a cool, dry area out of reach of children and animals. If container or bag is damaged, place the container or bag in a plastic bag. Shovel any spills into plastic bags and seal with tape. Keep away from galvanized pipe and nylon equipment. In the event copper sulfate solution is spilled, neutralize with limestone or baking soda before disposal. Copper sulfate solution may deteriorate concrete.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of 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 HANDLING: Nonrefillable container. Do not reuse or refill this container.

If in bag: 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. Offer for recycling, if available.

If in fiber drum with liner: Completely empty container 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 burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner. Offer for recycling, if available.

(If product is intended for household sewer treatment, use the following Handling statements):

CONTAINER HANDLING: If empty, do not reuse container. Place in trash or offer for recycling if available. If partly filled, call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE TO BUYER

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

WARRANTY STATEMENT

FREEPORT-MCMORAN SIERRITA INC. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of FREEPORT-MCMORAN SIERRITA INC. To the extent consistent with applicable law, FREEPORT-MCMORAN SIERRITA INC. shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. To the extent consistent with applicable law, exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling or application of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid for this product or at FREEPORT-MCMORAN SIERRITA INC.'s election, the replacement of this product. FREEPORT-MCMORAN SIERRITA INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.