

**LIMITED WARRANTY AND  
LIMITATION OF REMEDIES**

To the extent consistent with applicable law, seller warrants that the product conforms to the chemical description and is reasonably fit for the purpose stated on the label for use under normal conditions, but makes no other warranties of FITNESS OR MERCHANTABILITY, expressed or implied, or any other warranty if the product is used contrary to the label instructions, or under abnormal conditions or under conditions not foreseeable to the seller. To the extent consistent with applicable law, in no case shall the seller be liable for more than the cost of this product to the buyer, and will in no event be liable for any consequential, special or indirect damages connected with the use or handling of this product. To the extent consistent with applicable law, this product is offered and the buyer or user accepts it subject to the foregoing terms which may not be varied.

EPA Reg. No. 61943-1  
EPA Est. No. 61943-IN-1

Manufactured by:  
**CHEM-A-CO, INC.**  
P.O. Box 1099  
Monticello, IN 47960  
574-583-4368

<sup>1</sup>Algae Control Only  
<sup>2</sup>Non-Public Health Bacteria  
Lot No.



**NSF**  
**SCI-62<sup>®</sup>**  
**Algicide/Bactericide**

**ACTIVE INGREDIENT**

\*Copper Sulfate Pentahydrate (CAS #7758-99-8)..19.8%  
OTHER INGREDIENTS: ..... 80.2%  
TOTAL ..... 100.0%  
\*5% Metallic Copper Equivalent

**KEEP OUT OF REACH OF CHILDREN**

**DANGER/PELIGRO**

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

See back label for additional  
Precautionary Statements.

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact National Pesticide Information Center 800-858-7378 for emergency medical treatment information.

**If in Eyes:** 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 physician immediately for treatment advice.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor immediately for treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for advice. Have the 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.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NET CONTENTS: 1 GAL (3.785 l)**

**9.9 lbs. per Gallon 1.188Kg/L**

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**  
**DANGER**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed, inhaled or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT:**

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Chemical-resistant gloves made of any waterproof material. Chemical resistance category A.
- Protective eyewear
- Shoes plus socks

Maintain this clothing separately from other laundry and wash with detergent and hot water, or according to manufacturer's label. If these items become drenched with this product's concentrate, discard the clothing and do not re-use.

**ENVIRONMENTAL HAZARDS**

**Fish and Aquatic Organisms:** This product is toxic to fish and other aquatic organisms. Improper application SCI-62® to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Do not treat more than one-half of a lake or pond at one time in order to avoid depletion of oxygen from decaying vegetation. Allow 1 to 2 weeks between treatments for oxygen levels to recover. Trout and other species of fish may be killed at application rates recommended on this label, especially in soft or acidic waters. Do not contaminate water when disposing of equipment wash waters. (See Disposal Instructions.) Consult your local State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters.

**APPLICATION AND HANDLING EQUIPMENT**

Application, handling or storage equipment MUST consist of either fiberglass, PVCs, polypropylenes, viton, most plastics, aluminum or stainless steel. Never use mild steel, nylon, brass or copper around full strength SCI-62®. Always rinse equipment free and clean of SCI-62® each night with plenty of fresh, clean water. Always store SCI-62® above 32°F. Freezing may cause product separation. Seller makes no warranty for the performance of product which has been frozen. Spray over entire area of lagoon or mix thoroughly until completely dispersed with the sewage.

Useful formulas for calculating water volume and flow rates:

To find the capacity of water storage containment in gallons:

Multiply the water volume in cubic feet times 7.5

**Note:** 1 C.F.S./Hr. = 27,000 gallons

1 Acre Foot = 326,000 gallons

**Storage and Disposal**

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in a safe place away from PETS AND KEEP OUT OF THE REACH OF CHILDREN. Store between 40°F and 85°F, away from excessive heat. SCI-62® will freeze. Always keep container closed. Store SCI-62® in its original container only. Bulk SCI-62® shall be stored and handled in stainless steel, fiberglass, polypropylenes, PVCs or plastic equipment. Keep away from galvanized pipe and any nylon storage or handling equipment.

**Pesticide Disposal:** Excess SCI-62® must be disposed of through use. Do not contaminate lakes, rivers, or streams as this may cause fish kill. 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. In the event of a spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

**Container Disposal:** Nonrefillable container. Do not re-use or refill empty container. Offer for recycling, if available or dispose of container in a sanitary landfill or by incineration. If burned, stay out of smoke.

**For Emergency Assistance Call**  
**CHEM-TEL, INC. (800-255-3924)**

**Non-Flammable**  
**DO NOT FREEZE**

**DIRECTIONS FOR USE**

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

Do not apply SCI-62® in a way that will contact workers or other persons, either directly or through drift. Only protected handlers are permitted in the area during application. Permits for the use of this product in public water may be required, check with local authorities.

**GENERAL BACTERIAL ODOR CONTROL:** Apply up to 1 Gallon SCI-62® per 60,000 gallons (8,000 cubic feet) of organic matter (sewage). Application rates may vary depending on amounts of sewage in lagoons and pits. Apply by pouring SCI-62® directly from the container into the pit or lagoon. Several application points speed up dispersal. For faster results, disperse SCI-62® evenly throughout sewage. Bacterial odors should be noticeable reduced in 1-2 weeks. Repeat application when odors recur.

**Other Organic Sludges:** Apply 1 Gallon SCI-62® in 60,000 gallons of sludge, mixing thoroughly.

**GENERAL ALGAE/BACTERIA CONTROL IN IMPOUNDED WATERS, LAKES, PONDS, LIVESTOCK WATERING SYSTEMS, RESERVOIRS, IRRIGATION CANALS:** Apply SCI-62® through metering pump, subsurface hoses or from a properly equipped moving boat into the lakes, ponds, reservoirs or irrigation canals. When applying from boat, use minimal speed to allow the prop wash to disperse and mix the product into the treated waters. Dispense up to 1.25 gallons per acre-foot of water (see use rate chart below). Apply in late spring or early summer when algae/bacteria first appear. For best results, disperse SCI-62® evenly to warm, still water on a sunny day when algae are near the surface. Several application points speed up dispersal.

Use rates vary, depending on algae/bacteria species, water hardness, water temperature, and amount of algae/bacteria present; as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with temperatures above 60°F (15.6°C). Higher dosages are required at lower water temperatures, higher algae/bacteria concentrations, and for hard waters. Static water requires less chemical for algae/bacteria control than does flowing water. Use higher dosages for chara, nitella, and filamentous algae (pond scum), and lower dosages for planktonic algae. If there is uncertainty about the dosage, begin with a lower dose and increase until control is achieved or until the maximum allowable level has been reached.

Calculate the Acre-Feet of water in body of water to be treated by calculating the surface area in square feet. Then divide by 43,560 (sq. ft./acre). Then multiply by the average depth in feet.

1 Acre Foot of Water = Water measuring 208.7' long x 208.7' wide x 1' deep

1 Acre Foot of Water = 43,560 cubic feet = 325,851.6 gallons

1 Cubic Foot of Water = 62.4 pounds

1 Acre Foot of Water = 43,560 x 62.4 = 2,720,000 pounds

**USE RATES:**

**Gallons Product per Acre-Foot Water**

0.33  
 0.50  
 3.30  
 5.50

**ppm Metallic Copper Equivalent**  
**(do not exceed 1.0 ppm metallic copper)**

0.06  
 0.09  
 0.60  
 1.00

**Use Precautions & Restrictions:** Trout and certain other species of fish may be killed at recommended application rates, especially in soft or acidic waters. Before treating bodies of water, consult proper state authorities, such as the fisheries commission or conservation department to obtain any necessary permits. Do not apply copper sulfate to water less than 40 ppm metallic copper alkalinity without first testing for fish toxicity in a separate container.

Treatment of algae can result in oxygen loss from the decomposition of dead algae, which may cause fish suffocation. If algae cover more than one-third of the total water area, treat in sections. Treat one-third to one-half of the water area in a single operation, and wait 10 to 14 days between treatments. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. In regions where ponds freeze in winter, treatment should be done 6 to 8 weeks before expected freeze time to prevent masses of decaying algae under ice cover.

**IN NON-SPRINKLER, NON-DRIP IRRIGATION CONVEYANCE SYSTEMS AND CHEMIGATION SYSTEMS, DITCHES, CANALS, AND SIMILAR IRRIGATION CONVEYANCES:** For continuous addition, add 1 pint SCI-62® for each 7,500-300,000 gallons of water. For conveyance systems longer than 30 miles, dispense this rate among injection points every 30 miles. Do not exceed the total dosage of 1 Gallon SCI-62® in 60,000 gallons of water (1 ppm metallic copper).

**TO CONTROL ALGAE OR BACTERIA IN SPRINKLER, DRIP OR OTHER TYPES OF IRRIGATION EQUIPMENT:** Use 1 pint SCI-62® per 7,500 to 300,000 gallons of water. Agitation is not required. Do not mix with basic substances. SCI-62® must be applied continuously for the duration of the water application.