

Front 4x5

STOCK PLEX®



Stock Tank Algae Control

For listed algae and weed control

See attached booklet for additional
Precautionary Statements and First Aid

Water treated with Stock Plex may be used for livestock
watering and irrigation immediately after treatment.

KEEP OUT OF REACH OF CHILDREN
DANGER

Active Ingredient:

*Copper Sulfate Pentahydrate 19.8%

Other Ingredients 80.2%

*Metallic copper equivalent 5.04% Total: 100.0%

EPA Reg. No. 83190-1-72838

EPA Est. No. 72838-IN-003

Distributed by SANCO INDUSTRIES, INC.

P.O. Box 11617

FORT WAYNE, IN 46859 USA

Net Contents: 1 QT (946.3ml)



Stock Plex®

ALGAECIDE/ HERBICIDE

RESIDUAL CONTROL

FOR USE IN: POTABLE WATER RESERVOIRS; FARM, FISH, AND IRRIGATION PONDS; CROP AND NON-CROP IRRIGATION CONVEYANCE SYSTEMS; CANALS, DITCHES, AND LATERALS.

Treats Livestock Water Supplies

FOR LISTED ALGAE CONTROL

Water treated with Stock Plex may be used for livestock watering and irrigation immediately after treatment.

Active Ingredient:

*Copper Sulfate Pentahydrate	19.8%
Other Ingredients	<u>80.2%</u>
*Metallic copper equivalent 5.04%	Total
	100.0%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See back/side/other panel(s) [and insert] for Additional Precautionary Statements.

FIRST AID

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 doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: 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 further 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 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 1-800-255-3924 for emergency medical treatment information.]

NET CONTENTS: 1QT (946.3ml)

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

Corrosive: Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles or safety glasses when handling. Harmful if swallowed, inhaled, or absorbed through skin. Contact with skin may cause allergic skin response. Avoid contact with skin. Wash thoroughly with soap and water after handling. As with all chemical applications, apply best management practices to avoid unnecessary contact with concentrate or spray mixture. For 24-hour assistance or information regarding spill, leak, fire, or exposure to this product, please call Sanco Industries at 1-888-697-2626.

ENVIRONMENTAL HAZARDS

Fish and Aquatic Organisms: This product may be toxic to Trout, Koi, and other species of fish at application rates recommended on this label, especially in soft or acidic waters. Fish toxicity is directly correlated with water hardness and generally decreases as the hardness of the water increases. If the carbonate hardness is below 50 ppm, do not use this product in waters containing susceptible fish species without consulting Sanco Industries or local authority prior to treatment. Direct application of Stock Plex to water may cause a significant reduction in populations of aquatic invertebrates, plants, and certain species of 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.

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.

Endangered Species Restrictions: It is a violation of Federal laws to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat. The use of this product may pose a hazard to certain Federally designated endangered species known to occur in specific areas within the following counties:

STATE	SPECIES	BULLETIN NO.	COUNTY
CALIFORNIA	Solano Grass	EPA/ES-85-13	Solano
TENNESSEE	Slackwater Darter	EPA/ES-85-04	Lawrence Wayne Hancock
	Freshwater Mussels	EPA/ES-85-07	Claiborne Hawkins Sullivan
ALABAMA	Slackwater Darter	EPA/ES-85-05	Lauderdale Limestone Madison

VIRGINIA	Freshwater Mussels	EPA/ES-85-06	Grayson Smyth Scott Washington Lee
----------	--------------------	--------------	--

*** PLEASE NOTE*** Before using this product in the above counties, you must obtain the EPA bulletin specific to your area. This bulletin identifies areas within these counties where the use of this pesticide is prohibited, unless specified otherwise. The EPA bulletin is available from either your County Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters, or the appropriate Regional Office of the U.S. Fish and Wildlife Service.
THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE.

Potable Water: Do not allow water containing in excess of 1 ppm copper derived from Stock Plex to flow into any water to be used as potable water.

Terrestrial Plants: Do not apply this product in its concentrated form directly to any crop plants, grass, or ornamental plants as injury may result.

APPLICATION AND HANDLING

This product is corrosive to cotton fabrics. Do not allow clothing to come in contact with concentrate or dilution. Application, handling, or storage equipment **MUST** consist of fiberglass, PVC's, polypropylenes, viton, most plastics, or stainless steel. Never use mild steel, nylon, brass, or copper around full strength **Stock Plex**. Wash spray equipment after each application.

DIRECTIONS FOR USE

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

Permits for the use of this product in public water may be required. Check with local authorities.

STORAGE AND DISPOSAL

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

Pesticide Storage: **Stock Plex** is a concentrate and must be stored in its original container or handled and stored as outlined above (please see "APPLICATION AND HANDLING"). **Do not allow Stock Plex to freeze; freezing may cause product separation.** Seller makes no warranty for performance of the product that has been frozen.

Keep container closed when not in use. In case of a spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

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.

STORAGE AND DISPOSAL

Container Disposal: [For Containers \leq 5 Gal] Nonrefillable container. Do not reuse or refill this container. Triple rinse all containers prior to disposal and then offer for recycling, if available, or puncture and dispose of in an approved manner, or dispose by incineration if allowed by local and state authorities. If disposal is by incineration, stay out of smoke. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

GENERAL INFORMATION

Stock Plex is effective in controlling a broad range of algae including; *Chara*, *Spirogyra*, *Cladophora*, *Ulothrix*, and *Oscillatoria*.

In addition, **Stock Plex** is effective in controlling Water Hyacinth.

The formulation of **Stock Plex** protects against the precipitation of copper with carbonates and bicarbonates in the treated water and results in increased time of exposure for **true residual activity**. In addition, this formulation allows for application at any time - including overcast/cloudy conditions as well as **during night-time hours**.

Water treated with **Stock Plex** may be used for livestock watering and irrigation immediately after treatment. For best results, apply when livestock water consumption is low or watering area is not in use. **Stock Plex** effectively controls *Chara*, *Spirogyra*, *Cladophora*, *Ulothrix* and *Oscillatoria*; algae growth commonly found in livestock watering tanks, troughs, and ponds.

ALGAECIDE APPLICATION

For algaecide application in waters used for livestock and other agricultural uses: For water holding or storage tanks, stock watering ponds, tanks, and troughs, apply $\frac{1}{4}$ fluid ounce of **Stock Plex** per 250 gallons of water (8 milliliters per 1,000 liters) to achieve the desired 0.4 PPM (mg/L) of copper for algae control. Product can be simply added to the water column (body of water) as the residual control will allow for even distribution throughout the water column. Where existing algae mats are present at time of treatment, most effective control will be obtained by breaking up mats and/or evenly dispersing diluted **Stock Plex** over the algae mats. Apply **Stock Plex** as needed to control and prevent algae growth; more frequent applications may be needed in times of higher water temperatures.

DETERMINE VOLUME OF TANK, TROUGH OR POND WATER TO BE TREATED. Measure length (L), width (W), and average depth (D) in feet (ft.) or meters (m) and calculate volume using one of the following formulas:

*For square or rectangular tanks, troughs and ponds:

$$L(\text{ft.}) \times W(\text{ft.}) \times D(\text{ft.}) \times 7.5 = \text{Gallons}$$

$$L(\text{m}) \times W(\text{m}) \times D(\text{m}) \times 1000 = \text{Liters}$$

*For circular or elliptical tanks, troughs and ponds:

$$L(\text{ft.}) \times W(\text{ft.}) \times D(\text{ft.}) \times 5.9 = \text{Gallons}$$

$$L(\text{m}) \times W(\text{m}) \times D(\text{m}) \times 786 = \text{Liters}$$

FOR WATER HYACINTH CONTROL

The following mixture can be used as a **control** method for water hyacinth and other floating aquatic vegetation (Effective eradication requires stronger rates and/or mixtures with other herbicides - please call for specific information).

Mix 1 quart of **Stock Plex** per 1.75 gallons of water. Apply this solution as a coverage spray to thoroughly wet all exposed vegetation. In areas of heavy infestation, multiple applications may be required. Applications may be repeated after 7-day intervals. Non-ionic adjuvants should be used with this product to improve dispersion and/or adhesion.

DRIP SYSTEM APPLICATION FOR FLOWING WATER

Stock Plex should be applied as soon as algae or plants begin to interfere with normal or desired water uses. Heavy infestations and flows may cause poor chemical distribution resulting in unsatisfactory control. Under these conditions, continuous feed systems offer advantage.

Prior to treatment, it is important to determine the water flow rates. In the absence of weirs or flow determining devices for this information, water flow may be estimated as shown below.

Avg. Width X Avg. Depth X Velocity in feet/sec. X 0.9 = CFS(Cubic Feet/Second)

Velocity is the time it takes for a floating object to move a given distance. This measurement should be made as the average of at least three determinations taken at the treatment location.

Calculate the drip rate of **Stock Plex** from the chart below (based on heavy algae growth).

Water Flow Rate		Stock Plex drip rate		
CFS	Gal./Min.	Qts./Hr.	ML/Min.	Fl. Oz./Min.
1	450	3.6	58	2.0
2	900	7.2	116	4.0
3	1350	10.8	170	6.0
4	1800	14.4	226	7.6
5	2250	18.0	284	10.0

Calculate the amount of **Stock Plex** needed to maintain the drip rate for a period of 4 hours by multiplying Qts./Hr. by 4, ML/Min. by 240, or Fl. Oz./Min. by 240. **This dosage will maintain the copper level at 2.0 ppm for 4 hours (to be used as a general reference rate to control heavy algae growth). Effective control of most algae species can be obtained with copper levels between .5 - 1.8 ppm maintained for 4 - 6 hours.** The chemical must be introduced at a point of turbulence.

Place the required amount of **Stock Plex** into a tank equipped with a needle valve and set the drip rate as required using a stop watch and a measuring tube. Readjust as required if flows change. Distance of control will vary. Treatment points should be determined in the field and placed at the required intervals for control. Periodic maintenance treatments may be required.

For Drip-system Use in Livestock Watering Tanks: Tanks fed by a continuous flow of spring or well water may be equipped with a chemical drip system designed to meter-in **Stock Plex** based upon water flow rates. Systems should be adjusted to maintain a concentration of 0.4 PPM (mg/L) copper in incoming stock water. Pre-dilute **Stock Plex** 100:1 with water (a 1% solution) and calibrate metering valve to establish a drip rate of 1 fl. oz./min. per 10 gal./min. water flow rate or 40 ml/min. per 50 L/min. water flow rate. Treat continuously or as needed to control and prevent algae regrowth.

GENERAL TREATMENT NOTES

The following suggestions apply to the use of **Stock Plex** as an algaecide or herbicide:

- The product works best at temperatures at or above 60 degrees F.
- Treat when growth first appears or nuisance is first noted.
- Apply in a manner to insure even distribution in the treatment area.
- Retreat as required. Allow 1 to 2 weeks between treatments.

• **Formula for water-column treatment:** *Gallons of Stock Plex needed X 50,000 ppm = Gallons of water to be treated X Desired ppm of treatment (from chart)*

Conversion factors: *cubic feet X 7.48 = gallons*

one acre/foot = 326,000 gallons (one acre = 43,560 square feet)

To calculate number of gallons or liters:

For square or rectangular bodies of water: L(ft.) x W(ft.) x D(ft.) x 7.5 = Gallons
L(m) x W(m) x D(m) x 1000 = Liters

For circular or elliptical bodies of water: L(ft.) x W(ft.) x D(ft.) x 5.9 = Gallons
L(m) x W(m) x D(m) x 786 = Liters

WARRANTY

Read and follow all package directions carefully. To the extent consistent with applicable law, purchaser and user assume all risks associated with improper use, or application or other factors beyond Sanco Industries control. Sanco Industries warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the risks referred to above. SANCO INDUSTRIES MAKES NO AND THE LAW SHALL NOT FIND ANY EXPRESSED OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Purchaser's and user's sole remedy against Sanco Industries for any cause of action related to the handling or use of this product shall be for damages, the amount of which shall not exceed the price paid for the product that causes the alleged loss, damages, injury or other claim. To the extent consistent with applicable law, in no event shall Sanco Industries be liable for special indirect, incidental or consequential damages or expenses.

By purchasing or using this product, purchaser or user accept the foregoing conditions of sale and limitation of warranty, liability and remedies.

Sanco Industries Inc.

P.O. Box 11617

Fort Wayne, IN 46859

888-697-2626

EPA Reg. No. 83190-1-72838

EPA Est. No. 72838-IN-003

Base label

Is it important to know which type of algae is in my stock tank?

YES. Certain types of algae require a more concentrated treatment than others. It is important to know exactly which type of algae you are treating to ensure that you do not over treat or under treat your tank. Examples of the different types of algae can be found below. Refer to this label and attached insert for appropriate use rates.

ALGAE



Planktonic Algae: Microscopic growth often visible as a greenish tinge suspended in the upper few feet of water. Severe blooms may resemble pea soup and actually thicken the water.



Filamentous Algae: (Spirogyra, Cladophora, Ulothrix, and Oscillatoria) Individual filaments a series of cells joined end to end that have a thread-like appearance. Often referred to as pond scum or moss. Forms surface "mats". Growth begins at the bottom and rises to the surface as a bubble-filled mass. May also form fur-like growths on logs and rocks at the bottom.



Chara Algae: (Chara Vulgaris) Leaf-like structures whorled around hollow stem. Dense growth attached, but not rooted to bottom. May "carpet" large areas of a lake or pond bottom. Strong musky odor when crushed. May have a gritty texture due to mineral deposits on the surface. Do not confuse with higher weeds.

Side wrap-around panel

First Aid

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 doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

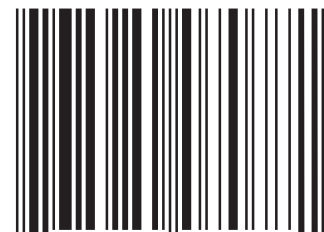
If Inhaled: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call 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 1-800-255-3924 for emergency medical treatment information.]

EPA Reg. No. 83190-1-72838

EPA Est. No. 72838-IN-003



7 68980 07077 1