
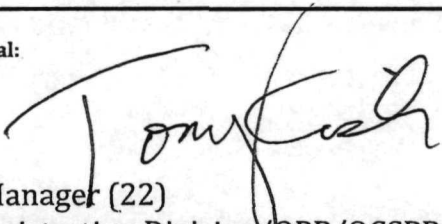


85948-2

01/25/2012

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Chemical Safety and Pollution Prevention Office of Pesticide Programs Registration Division (7504P) 1200 Pennsylvania Ave., N.W. Washington, DC 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	<p>EPA Reg. Number: 85948-2</p>	<p>Date of Issuance: JAN 2 5 2012</p>
	<p>Term of Issuance: Unconditional</p>	
	<p>Name of Pesticide Product: CB-104</p>	
<p>Name and Address of Registrant (include ZIP Code): pH Solutions, Inc. 18 Twin Spring Dr. Boylston, MA 01505</p>		
<p>Mailed to: Barry McFarland</p>		
<p>Note: Changes in labeling 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 EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.</p> <p>This product is unconditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration of your product under FIFRA sec 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. 		
Page 1 of 2		
<p>Signature of Approving Official:  Tony Kish, Product Manager (22) Fungicide Branch/Registration Division/OPP/OCSP (7504P)</p>		<p>Date: JAN 2 5 2012</p>

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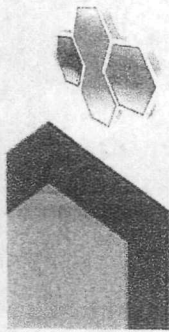
2. Make the following changes to the label:
 - a. Change the product registration number to "EPA Reg. No. 85948-2"
 - b. On page 1, change the NPIC operation hours to "five days a week (Monday-Friday), 7:30 AM to 3:30 PM Pacific Time."
 - c. Correct the spelling of "bacteriacide" to "bactericide" in the following places of the label:
 1. Page 5 – fifth line under "Bacterial Odor Control" heading, "Algaecide/Bacteriacide/Fungicide/Herbicide" heading and the subsequent text.
 - d. Delete "wells" in the third paragraph under "Product Information" on page 4, and in the first paragraph under "Bacterial Odor Control" on page 5. No other copper labels have wells as a use site, and well water volumes to treat are not defined and difficult to measure.
3. Submit one copy of the revised final printed label for the record before the product is released for shipment.

Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records.

Enclosure:

Label stamped "Accepted with Comments"



PH SOLUTIONS, INC.

CB-104

Algicide/Bactericide[†] /Herbicide/Fungicide.

[†] "non-public health bacteria"

DOT: UN1760, Corrosive liquids, n.o.s., (phosphoric acid, sulfuric acid), 8, PG III

DO NOT FREEZE

**EPA REG NO 85948-E
EPA EST NO 65440-IN-01**

Active Ingredients:

Copper Sulfate Pentahydrate, 19.8%

CAS No 7758-99-8

Other Ingredients, 80.2%

Total Ingredients, 100%

Metallic, Copper 5%

CAUTION

Keep Out of Reach of Children

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

First Aid:

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 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 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. **For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 AM to 4:30 PM Pacific Time (NPIC web site: www.npic.orst.edu). Note to physician: If swallowed, probable mucosal damage may contraindicate the use of gastric lavage.**

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

JAN 25 2012

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

85948-2

1/16/12

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

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear the following:

- Long-sleeve shirt and long pants
- Chemical resistant gloves made of waterproof material such as polyethylene or polyvinyl chloride
- Shoes plus socks
- Protective eye wear

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

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.

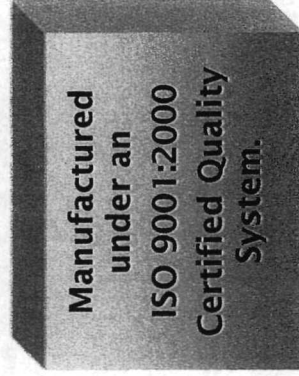
Discard clothing and other absorbent material that has been drenched or heavily contaminated with liquid from this product. Do not reuse them.

For applications in water destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 1 ppm metallic copper in these waters.

Handling/Storage: DO NOT FREEZE

For Chemical Emergency, Spill, Leak, Fire Exposure or accident call: CHEMTREC - Day or Night # 800-424-9300

Lot #:
Net Weight: lbs



See side/back panels for additional precautionary statements

pH Solutions, Inc 18 Twin Spring Drive Boylston, MA 774-614-1064

◆ Consult MSDS Before Use ◆ Intended for Industrial/Professional Use Only ◆ See insert for Complete Directions of Use

USER SAFETY RECOMMENDATIONS

Users should: wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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. Wash the outside of gloves before reusing.

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 ae 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 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."

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, forests, nurseries, 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
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- 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 handle this pesticide for use NOT covered by the Worker Protection Standard (40 CFR 170) must wear: long-sleeved shirt, chemical resistant gloves made of waterproof material (such as polyvinyl chloride, nitrile rubber or butyl rubber), shoes plus socks, and protective eyewear.

Do not enter or allow others to enter until sprays have dried.

APPLICATION/HANDLING EQUIPMENT

Application, handling or storage equipment MUST consist of fiberglass, PVC, polypropylene, viton, most plastics, aluminum or stainless steel. Never use galvanized steel, nylon, brass or copper around full strength CB-104.

ways triple rinse equipment to be free and clean of CB-104 each night.

Always store CB-104 above 32 degrees F. Freezing may cause product separation. Seller makes no warranty for the performance of product, which has been frozen.

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 CFS/Hr = 27,000 gallons; 1 Acre foot = 326,000 gallons.

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 in a way that will contact workers, other persons, adults, children, or pets either directly or through drift. Only protected handlers may be in the area during application. For requirements specific to your State or Tribe, consult the State or Tribe agency responsible for pesticide regulations.

PRODUCT INFORMATION

CB-104 is a buffered formulation used for the suppression of bacterial[†] odors and toxic gas in sewage, sewage lagoons, crop and non-crop irrigation conveyance systems, feedlot run-off pits, animal confinement facilities, flooded rice and wild rice fields, aquaculture ponds or systems, in chemigation systems, ballast water, industrial and/or commercial recirculating cooling tower systems and/or other listed bodies of water containing excessive organic matter or algae/bacteria[†].

CB-104 may be used to control algae and bacteria[†] in wells, spas, swimming pools and hot tubs.

CB-104 may be used to control algae and pondweed and to suppress bacterial[†] growth in irrigation, reservoirs, aquaculture ponds, livestock watering systems, lagoons and water destined for drinking water supplies.

CB-104 may be used as a bactericide[†] and fungicide to suppress the growth of spoilage bacteria[†] and fungal diseases on fruits, vegetables, nuts and field crops and to extend the shelf life of each.

[†] "non-public health bacteria"

CB-104 may be used as a herbicide and algicide in controlling certain rooted underwater weeds such as Hydrilla verticillata and others in irrigation and municipal water treatment systems.

BACTERIAL ODOR CONTROL

CB-104 is a buffered formulation to be used for the suppression of bacteria[†] and toxic gas in sewage lagoons, feedlot run-off pits or lagoons and animal confinement facilities containing excessive organic matter or bacteria[†]/algae. CB-104 can be used to control odor resulting from algae, pondweed and other rooted underwater weeds and to suppress toxic gases and bacterial[†] growth in irrigation ditches, reservoirs, ponds, aquacultural ponds, livestock watering systems, wells and water destined for use as drinking water.

CB-104 inhibits or suppresses the growth of bacteria[†] that cause odor. When CB-104 is used as directed on this label it is a bacteriacide[†]/algicide, herbicide and fungicide.

Application rates may vary depending on amounts of organic matter (sewage) in waste treatment, lagoons and pits. Application should be done by pouring CB-104 directly from the container into the sewage reservoir, pit or lagoon. Several application points speed up dispersal. Use one gallon of full strength CB-104 in 60,000 gallons (8,000 cubic feet) of sewage. For easiest results disperse CB-104 evenly throughout sewage. Bacterial odors should be noticeably reduced in 1-2 weeks. Repeat application when odors reoccur.

Feedlot Run-off Lagoons: Use one gallon of full strength CB-104 in 60,000 gallons (8,000 cubic feet) for feedlot run-off lagoons. Add a portion of the required dosage of CB-104 at several locations around the lagoon to speed dispersal of the product. A minimum of two applications per year (spring and fall) is recommended. Additional applications may be required as needed or when the lagoon is pumped.

Animal Confinement Pits: Add CB-104 directly to pits located under the confinement area. If the pits are outside, add CB-104 to transfer line to the pit. Apply at the rate of one gallon of CB-104 in 60,000 gallons of manure in pit.

Other Organic Sludges: Mix CB-104 thoroughly with the sludge. Apply at the rate of one gallon CB-104 in 60,000 gallons of sludge.

Livestock Watering Systems: Apply CB-104 at no more than one gallon in 60,000 gallons of water.

Aquacultural Ponds: Apply 0.4 gallons of CB-104 per 60,000 gallons of water or at a rate of no more than 0.4 ppm of metallic copper.

GAEICIDE/BACTERIACIDE[†]/FUNGICIDE/HERBICIDE:

Algaecide/Bacteriacide[†]/Fungicide/Herbicide: Apply CB-104 in late spring or early summer when algae/bacteria[†] first appear. The dosages are variable and depend upon algae/bacteria[†] species, water hardness, water temperature, 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 degrees F (15.6 degrees C). Higher dosages are required at lower water temperatures, higher algae/bacteria[†] concentrations and for hard waters. CB-104 can be poured, applied from under water hose or sprayed directly from the container or other suitable application device into the lakes, ponds, reservoirs or irrigation canal. Several application points speed up dispersal.

[†] "non-public health bacteria"

Static water requires less chemical for algae and bacteria† control than does flowing water. Use higher dosages of CB-104 for chara, nitella (0.4-0.8 ppm metallic copper) and filamentous algae (pond scum)—(0.2-0.6 ppm metallic copper) and lower dosages (0.1-0.5 ppm metallic copper) for planktonic algae. For submerged weeds like Hydrilla verticillata a higher dosage (0.5-1.0 ppm of metallic copper) may be needed. 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.

Treatment of algae can result in oxygen loss from the decomposition of dead algae. This loss can cause fish suffocation. If the algae cover more than one-third of the total water area, treat in sections. Treat one-half of the water area in a single operation and wait for 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 an ice cover.

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.

Lakes, Ponds, Irrigation Conveyance Systems and Reservoirs: Apply at the rate of one pint CB-104 in 7,500-300,000 gallons of water. Disperse evenly throughout the lake, pond, reservoir or irrigation system. For conveyance systems longer than 30 miles, it is recommended that the above dosage be dispersed among injection points every 30 miles. For best results apply to warm still water on a sunny day when algae is near the surface. Do not apply copper sulfate to water less than 40 ppm alkalinity. See soft water comment above. Do not exceed the application rate of 1ppm metallic copper.

Water destined for use as Drinking water and Livestock watering systems: Apply at the rate of one gallon CB-104 in 60,000 gallons of water (1 ppm metallic copper). Do not exceed this rate.

Algae control in rice fields and wild rice fields: Apply 2 gallons CB-104 per acre-foot of water at the first sign of algae growth on the surface of the field. Applications are most effective when made prior to algae leaving the soil surface and rising to the water surface. Apply after rice field has been flooded to a depth of 6-8 inches. Factors such as water depth, temperature, pH and the amount of algae can affect the amount of CB-104 used but CB-104 usage must never exceed 6 gallons per acre-foot of water. CB-104 can either be metered into the rice field as water is being applied or slug fed into each paddy when water is being held.

Tadpole shrimp control in rice fields: Apply CB-104 to the flooded fields any time the pest appears from planting time until the seedlings are well rooted and have emerged through the water. Apply after rice field has been flooded to a depth of 6-8 inches. The use rate per acre should be determined by the water depth and flow. Use 2 gallons of CB-104 per acre as the initial rate when the minimum flow and water depth of 4 inches exist. Use up to 6 gallons of CB-104 per acre when the water depth is at 8 inches or above.

Algae or non-public health bacteria† control in non-sprinkler, non-drip irrigation conveyance systems, chemigation systems, ballast water, industrial and/or commercial recirculating cooling tower water, ditches, canals or other similar systems: Add one pint of CB-104 for each 7,500 to 300,000 gallons of water. For conveyance systems longer than 30 miles, it is recommended that the above dosage be dispersed at injection points every 30 miles. DO NOT exceed the total dosage of one gallon per 60,000 gallons of water (1 ppm of metallic copper).

Algae or bacteria† control in sprinkler, drip or other type of irrigation equipment: Apply CB-104 at rate of one pint per 7,500 to 300,000 gallons of water. Do not mix with basic substances. Agitation is not required.

Fungicide and Bactericide control for shelf life extension of fruits and vegetables: Add one gallon of CB-104 to 60,000 gallons of water (1 ppm of metallic copper) and mix. Use this mixture to wash the fruits and vegetables either by immersion, spraying, soaking or other similar methods. Drain the water from all fruits and vegetables. Application as directed retards spoilage bacterial† growth on fruits and vegetables. Fruits and vegetables should remain at low temperatures or be refrigerated to ensure effectiveness.

† "non-public health bacteria"

Algae control in swimming pools, spas and hot tubs: Apply CB-104 at rate of 2 - 4 quarts of CB-104 per 60,000 gallons of water (8,000 cu. ft.), which will yield 0.5 to 1.0 ppm of metallic copper. Apply CB-104 before any algae appears. Where visible algae are present apply at a higher rate but do not exceed 1.0 ppm of metallic copper.

For spas and hot tubs use only 16 mls-31 mls of CB-104 per 500 gallons (66.8 cu. ft.) of water.

Use low level (0.5 ppm of CB-104) for maintenance and control of algae in the pool to avoid excessive buildup of metallic copper. Repeat as necessary. CB-104 can be used at the higher rate to control pool odors and algae during the winter months.

Use low level (16 mls of CB-104) for maintenance in spas and hot tubs to avoid excessive buildup of metallic copper.

Any treated pool effluent should not be discharged where it can drain into lakes, streams, ponds or public water supplies.

Slug and snail control: Apply CB-104 at a rate of one gallon per 60,000 gallons of water to repel and kill slugs and snails when found in irrigation ditches and other water systems.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open burning and dumping is prohibited. Do not reuse empty container.

Pesticide Storage: Store product in a secure dry place. Store product in original container. Store product separately to prevent cross-contamination of other pesticides, fertilizers, food and feed. Store away from excessive heat. Do not store product below 32° Fahrenheit CB-104 will freeze. Always keep container closed.

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. In the event of a spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

Container Handling:

Non-refillable containers. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

*"non-public health bacteria"

WARRANTY STATEMENT

pH Solutions, 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 pH Solutions, Inc. To the extent consistent with applicable law, pH Solutions, 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 pH Solutions, Inc election, the replacement of this product. pH Solutions, Inc MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.