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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 28 1990

Eugene P. Deatruck  
Control Chemicals, Inc.  
D/B/A Deatruck & Associates, Inc.  
1013 E. Taylor Run Parkway  
Alexandria, VA 22302

Subject: Product Name: HIPOCHLOR Tablets 200g  
EPA Registration No.: 57425-2  
Your Amendment Dated January 12, 1990

Dear Mr. Deatruck:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comment below. A stamped copy of the labeling is enclosed for your records. Five copies of the finished labeling must be submitted before the product is released for shipment.

Under "STATEMENT OF PRACTICAL TREATMENT," and under "IF SWALLOWED," delete the statement, "feed bread soaked in milk, followed by olive oil or cooking oil," and replace it with an instruction to drink a large quantity of water.

Your additional container size of 3 lbs has been noted in your registration file.

If you have any questions, you may call Wallace Powell at (703) 557-6938.

Sincerely,



Walter C. Francis  
Acting Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H-7504C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

HIPOCHLOR  
8 x 200g TABLETS in FLIFFLOATER chlorine dispenser

ACTIVE INGREDIENT:  
Calcium Hypochlorite .....65%  
INERT INGREDIENTS:.....35%

KEEP OUT OF REACH OF CHILDREN  
DANGER

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)\*

IF CONTACT WITH EYES OCCURS, flush with cold water for at least 15 minutes.  
Get medical attention.

IF CONTACT WITH SKIN, brush off excess chemical and flush skin with cold  
water for at least 15 minutes. If irritation persists, get medical  
attention.

IF SWALLOWED, feed bread soaked in milk, followed by olive oil or cooking  
oil. DO NOT induce vomiting. Call a physician immediately.

(See additional precautions on side panel.)

Manufactured by:  
Destrict Ass D/B/A/ Control Chemicals  
1013 E. Taylor Run Parkway  
Alexandria, VA, 22302

EPA REG NO 57425- EPA EST  
NET CONTENTS: 315g (1.6 kilograms)  
200gram/tablet

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 22 1990

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
57425-2

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritation to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into lakes, streams, ponds or public waterways unless in accordance with a NPDES permit. For guidance, contact the regional office of the U.S. Environmental Protection Agency.

PHYSICAL OR CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, chlorine gas (and possible fire and explosion). In case of contamination or decomposition, do not reseat container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water, if necessary. Before disposing, slit container with a sharp knife and rinse thoroughly with water to remove all remaining chlorine sediment.

## DIRECTIONS FOR USE

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

## STORAGE AND DISPOSAL

Keep this product dry in a tightly closed container, when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. In case of decomposition, isolate container (if possible) and flood area with large amounts of water to dissolve all material before discarding this container. Do not reuse empty container but place in trash collection. Do not contaminate food or feed by storage, disposal, or cleaning of equipment.

## SWIMMING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate with 10 to 20 oz. granular calcium hypochlorite for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Test and maintain the alkalinity of the pool to between 50 to 100 ppm.

To maintain the pool, remove the required number of nodules on the HIPOCHLOR FLIPFLOATER to establish a chlorine residual of 0.6 to 1.0 ppm for unstabilized pools or 1.0 to 1.5 for stabilized pools. Test the pH, available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.

Use a sharp knife to cut off the single nodules on both sides at top of the cartridge (sketch A). Then remove the number of nodules on both sides in lower row which correspond to the requirement of your pool size (sketch B). Chlorine feed-rate increases with number of nodules removed. Ensure that the holes left by removing nodules are always full open to ensure that chlorine is not entrapped in floater.

Flip floater in pool do not submerge, the floater will automatically submerge to float at the correct level.

Every 7 days, or as necessary, superchlorinate the pool with 10 to 20 oz. of granular calcium hypochlorite product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 to 3.0 ppm.

At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

**WINTERIZING POOLS:** While water is still clear & clean, apply 0.6 oz. of granular calcium hypochlorite product per 1000 gallons, while filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers instruction.

HIPOCHLOR TABLETS (8 x 200g tablets in disposable plastic dispensers)

HIPOCHLOR TABLETS (200g) used in a chlorine dispenser known as FLIPFLOATER (Reg. Trade Name applied for) makes it possible to automatically dose chlorine derived from calcium hypochlorite into pool water for 3 to 4 weeks

The HIPOCHLOR FLIPFLOATER mechanism is as follows:-

a) A HIPOCHLOR FLIPFLOATER (chlorine-dispenser) consists of an outer plastic buoyant tube which serves as a floater which suspends an inner tube containing the HIPOCHLOR tablets. A plastic tube containing the HIPOCHLOR TABLETS (in the inner tube) is inserted into the outer tube. The inner tube has apertures at its base to allow the flow of water into it, to dissolve the tablets.

After the inner tube is inserted into the outer tube, the whole assembly is sealed off with a cap.

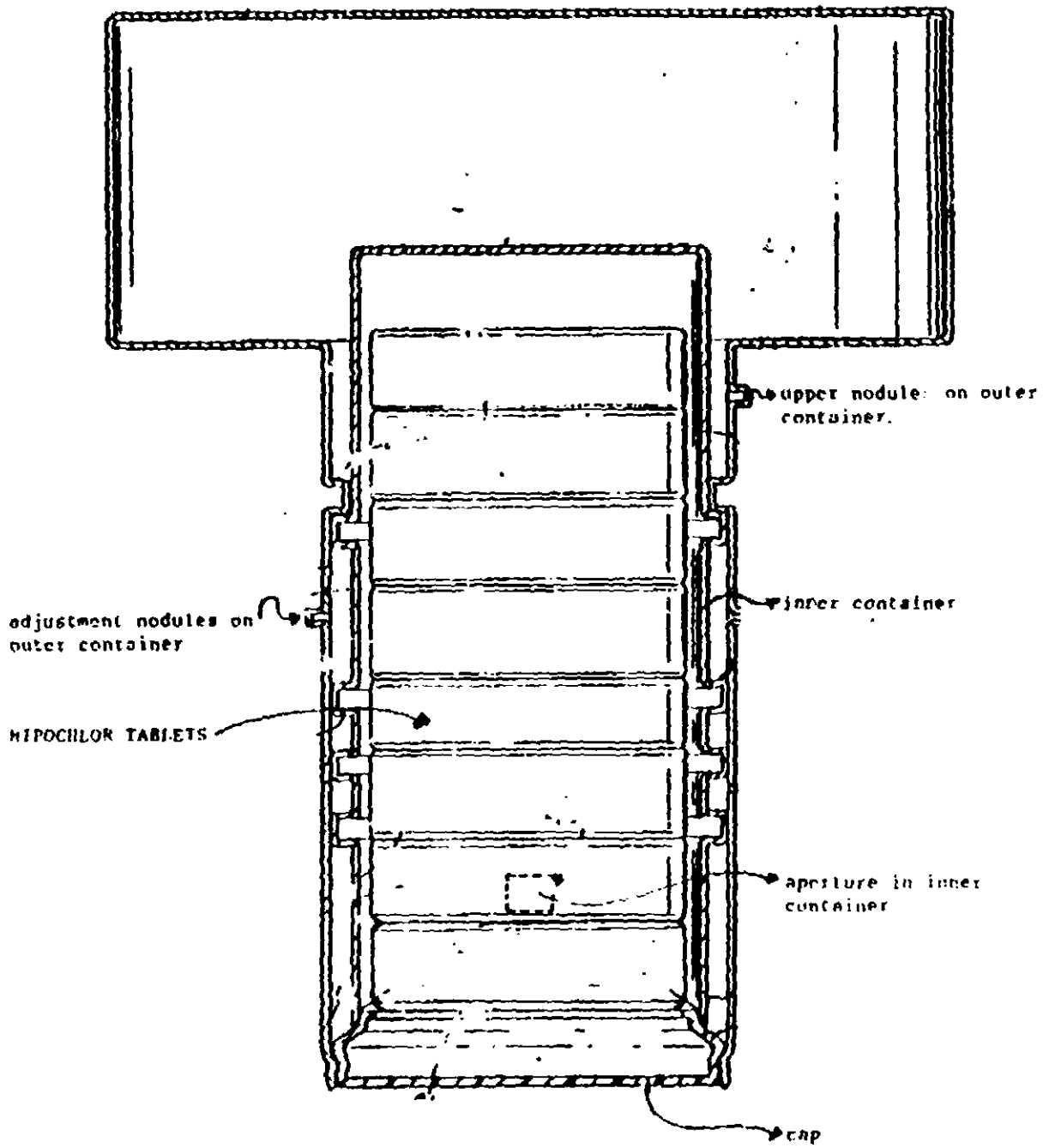
b) Adjustment is made by removing the required number of nodules on the outer tube with a sharp knife. This allows the flow of water into the space between the inner and outer container.

c) The water flows through the apertures in the bottom of the inner container and slowly dissolves the HIPOCHLOR TABLETS. As water enters the inner cartridge the air within the cartridge is compressed in the top portion of the cartridge creating an air cushion which prevents water from rising too high in the cartridge. Thus only the bottom tablets are dissolved. The chlorine solution diffuses into the pool through the holes in the outer container.

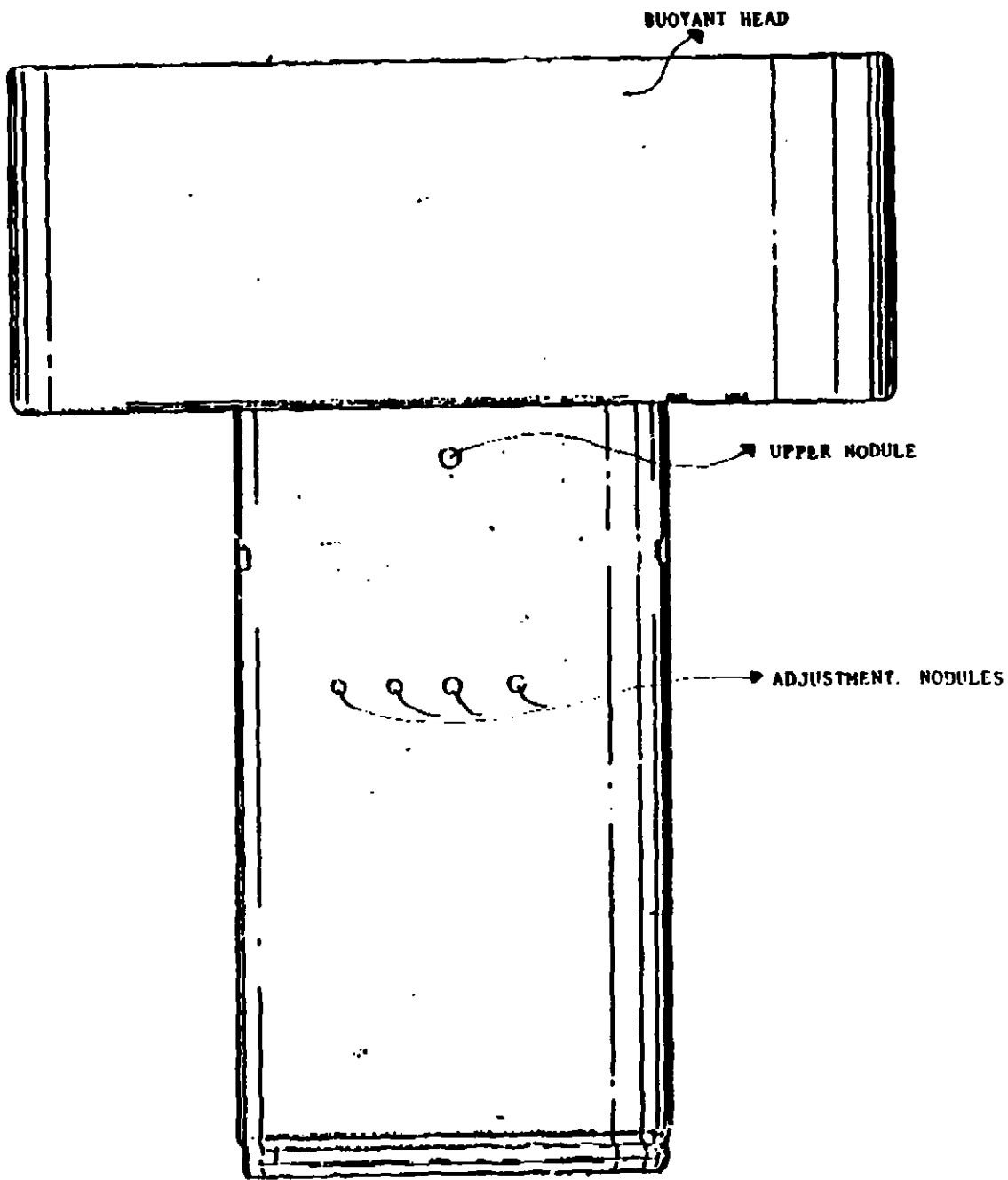
d) The inner tube thus serves as a baffle which stops turbulence of the water, and this in turn leads to slow dissolution of the tablets.

e) The system also maintains most of the sediment associated with calcium hypochlorite within the floater.

f) Adjustment to required levels of chlorine must be accomplished by testing the pool water with a chlorine tester.

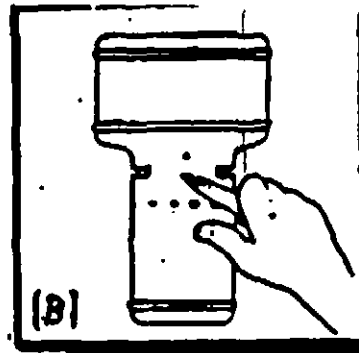
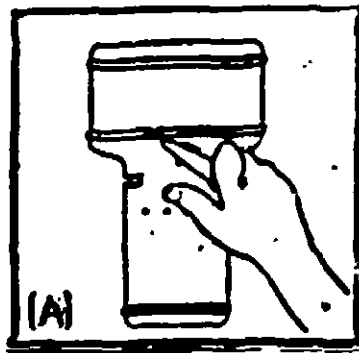


HIPOCHLOR FLIPLOATER ILLUSTRATING INNER TUBE INSERTED INTO OUTER BUOYANT CONTAINER



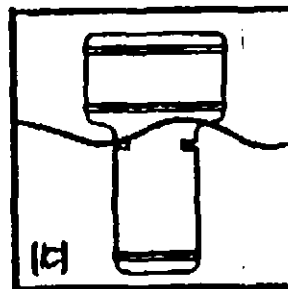
HIPOCHLOR FLIPFLOATER ILLUSTRATING OUTER BUOYANT TUBE  
WITH ADJUSTMENT NODULES

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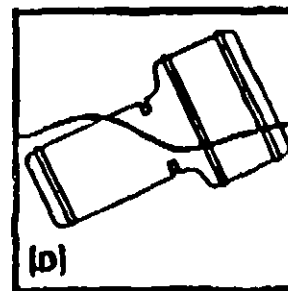


With a sharp knife remove the number of nodules which correspond to your pool size (sketch B). Chlorine feed-rate increases with the number of nodules removed. Ensure that the holes left by removing the nodules are fully open. Cut off single nodules at top for all pools (sketch A).

DISPOSABLE FLIPFLOATER will float upright while it is releasing chlorine (sketch C)



FLIPFLOATER will flip over onto its side when it is empty. So you will know when it is time to replace the FLIPFLOATER. (sketch D)



Replace floater when it floats horizontally. Important: Before discarding, clip off orange cap at bottom of floater and drain the remaining chlorine-containing sediment into poolweir. Then clip off cap at bottom and place any remaining chlorine particles into poolweir. Rinse floater thoroughly before placing in trash.