

1258-1259

6/26/2003

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division 7510C
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

EPA Reg. Number:

1258-1259

Date of Issuance:

JUN 26 2003

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

HTH Duration Clean Capsules

Name and Address of Registrant (include ZIP Code):

Arch Chemicals, Inc.
501 Merritt 7
Norwalk, CT 06856

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.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration 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.

2. Make the following label changes before you release the product for shipment:

- a. Revise the "EPA Registration Number to read, "EPA Reg. No. 1258-1259".
- b. In the proposed label in the ingredient statement, the term "Active Ingredient" must be in singular, it should be "Active Ingredient".
- c. The Child Resistant Packaging (CRP) is required.
- d. Under the "Precautionary Statements" change the word "Highly Corrosive" to read: "Corrosive".

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Signature of Approving Official:

Robert S. Brennis, PM 32

Date:

JUN 26 2003

2810

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

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[All text in square brackets [AAA] is optional and may/may not be included on final label]
{All text in rounded brackets {AAA} is for information purposes and will not appear on final label}

{Master Label}

HTH DURATION CLEAN CAPSULES

KEEP OUT OF REACH OF CHILDREN (12 Pt. Type Min.)

DANGER (16 Pt. Type Min.)

{The following warning language, while different from approved verbiage, has been approved in numerous other amendments and this attempts to keep that language consistent between labels.}

Contamination or improper use may cause fire or explosion. Do not contaminate with any foreign matter, including other spa or pool treatment products. Add only into water. Read all precautionary statements on back label and all first aid statements before use.

ACTIVE INGREDIENTS:

CALCIUM HYPOCHLORITE.....47.6%
OTHER INGREDIENTS..... 52.4%
TOTAL.....100%
Minimum Available Chlorine...45 %

**ACCEPTED
with COMMENTS
EPA Letter Dated:**

JUN 26 2003

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

EPA Reg. # 1258-

EPA Est. # 1258-TN-1

1058-1359

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 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.

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: - Remove 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.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IN CASE OF EMERGENCY CALL: 1-800-654-6911

Arch Chemicals, Inc.
501 MERRITT 7
NORWALK, CT. 06856

{These weights will all be in child resistant packaging where required:} Net Wt. 10 oz. (0.284 KG); Net Wt. 20 oz. (0.567 KG); Net Wt. 2.5 Lb. (1.13 KG); Net Wt. 5 Lb. (2.27 KG); Net Wt. 10 Lb. (4.54 KG); Net Wt. 15 Lb. (6.8 KG); Net Wt. 20 Lb. (9.09 KG); Net Wt. 23 Lb. (10.4 KG); Net Wt. 23.4 Lb (10.6 KG); 25 lb. (11.3 kg.); Net Wt. 50 Lb. (22.7 KG); Net Wt. 55 Lb. (25 KG); Net Wt. 75 Lb. (34.1 KG)

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[All text in square brackets [AAA] is optional and may/may not be included on final label]
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{For the Capsules package}

[Kills bacteria], [Controls Algae], [Destroys organic contaminants], [Routine Chlorinator], [Restores a crystal clarity to pool water], [Buffered sanitizer], [Oxidizer], [Removes organic waste and produces sparkling clean swimming pool water]. [Designed for skimmer use], [Convenient], [easy to use], [each tablet lasts for days], [long lasting tablet]. [Slow dissolving]. [Chlorinates up to 1 week]. [For routine use in skimmers, floaters, and feeders]. [Chlorine lasts up to one week]. [Innovative, exclusive technology]. [Patent Pending]. [Will not cause over-stabilization]. [Will not cause cyanuric acid to {form} {or} [build up] in your pool.][Contains no cyanuric acid.] [Sanitizes pool water.] [Swimming pool sanitizer.] [Good for all pool surfaces.]

READ ALL PRECAUTIONARY STATEMENTS BEFORE USE.

DO NOT use this product with any other chlorinating compound.
DO NOT place in skimmer baskets that contain undissolved material or residue from previously used tablets or sticks.
DO NOT use this product in any floater or feeder which has previously contained other chemicals.

WHY YOU SHOULD USE THIS PRODUCT

Capsules are a slow dissolving product that is easy and convenient to use. This product controls algae, kills bacteria and destroys organic contaminants. These capsules are designed to be used in the skimmer basket and dissolve slowly (up to 1 week) providing a steady source of available chlorine for complete swimming enjoyment in your pool. For crystal clear pool water, follow our 4 step pool care program: Step 1: Test and adjust pool water balance, Step 2: Chlorinate and clarify, Step 3: Shock treat your pool at least once a week, and Step 4: Add algaecide regularly.

Additional shocking to keep water clean and clear is recommended after:

- Rain and heavy winds
- High number of swimmers
- Increased water temperature
- Increased frequency of pool usage

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HOW TO USE:

- One capsule weighs approximately 9.5 – 10 ounces.
- Use in the skimmer.
- Remove any other chemical or chemical residue from skimmer basket before adding recommended amount of this product. Failure to do so could result in a chemical reaction or possible explosion.
- Place capsule(s) in the empty skimmer basket.
- Replace with a new capsule(s) as needed.

Water Balance: For best product performance, swimmer comfort, and crystal clear water: **1.** Maintain pH in the range of 7.2 to 7.6. **2.** Maintain total alkalinity in the range of 60 to 100 parts per million (ppm). **3.** Maintain calcium hardness above 200 ppm. Use a reliable test kit that measures all these ranges. Use HTH Pool Care Products to make adjustments. Follow label directions for each product.

[All text in square brackets [AAA] is optional and may/may not be included on final label]

{All text in rounded brackets {AAA} is for information purposes and will not appear on final label}

OPENING YOUR POOL: For best results, see the Water Balance section above before treatment.

Always adjust and maintain pH in the 7.2 to 7.6 range. 1. Follow "SHOCK TREATMENT" directions on this package. 2. Allow 30 minutes for product to disperse. 3. Test free available chlorine residual with a pool test kit. DO NOT enter pool until the free available chlorine residual is 1-4 ppm. 4. Repeat treatment as needed.

For best results during the pool season, follow the HTH 4 Step Program.

ROUTINE CHLORINATION: For best results, see Water Balance section above before treatment.

Throughout the pool season, adjust pH to 7.2-7.6. Begin by using 3 capsules of this product per 7,000 gallons of pool water. If you stabilize your pool using HTH stabilizer and conditioner, begin by using 1 capsule of this product per 7,000 gallons of pool water. After one day, use a suitable test kit to check free available chlorine residual. Increase or decrease the number of capsules to maintain a free available chlorine residual of 1-4 ppm. Follow "HOW TO USE" directions on this package.

FOR FLOATER / FEEDER USE:

Use only in a new floater/feeder or a floater/feeder that has previously contained only this product. Place the required number of capsules in the chamber.

If the floater / feeder is equipped with adjustable chamber, set the openings to allow maximum water flow past the tablets.

Test water and adjust to maintain 1 to 4 ppm free available chlorine residual.

When the capsules are completely dissolved, replace with new capsules as needed.

SHOCK TREATMENT:

For best results, see Water Balance section above before treatment.

1. Adjust and maintain pH to 7.2-7.6 with HTH[®] pH Plus[®] or HTH pH Minus. Follow label directions on that product. Allow product to disperse before proceeding.

2. Shock treat using HTH Sock It[®], Super Sock It[®], Sock It Shock n' Swim[™], or Super Sock It Shock n' Swim shock products. Follow label directions on those products.

3. DO NOT enter pool until the free available chlorine residual is 1-4 parts per million (ppm).

For preventative algae control, use your preferred HTH algaecide product regularly.

{end of Capsules package use instructions}

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[All text in square brackets [AAA] is optional and may/may not be included on final label]
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{For the Tablets package}

[Kills bacteria], [Controls Algae], [Destroys organic contaminants], [Routine Chlorinator], [Restores a crystal clarity to pool water], [Buffered sanitizer], [Oxidizer], [Removes organic waste and produces sparkling clean swimming pool water]. [Designed for skimmer, feeder or floater use], [Provides effective chlorination at an economical price]. [Convenient], [easy to use], [Slow dissolving]. [For routine use in skimmers, floaters, and feeders]. [Innovative, exclusive technology]. [Patent Pending]. [Will not cause over-stabilization]. [Will not cause cyanuric acid to [form] {or} [build up] in your pool.][Contains no cyanuric acid.] [Sanitizes pool water.] [Swimming pool sanitizer.] [Good for all pool surfaces.]

READ ALL PRECAUTIONARY STATEMENTS BEFORE USE.

- DO NOT use this product with any other chlorinating compound.
- DO NOT place in skimmer baskets that contain undissolved material or residue from previously used tablets or sticks.
- DO NOT use this product in any floater or feeder which has previously contained other chemicals.

WHY YOU SHOULD USE THIS PRODUCT

Tablets are a multipurpose product that controls algae, kills bacteria and destroys organic contaminants. These convenient & easy to use tablets are designed to dissolve slowly, providing a steady source of available chlorine for complete swimming enjoyment in your pool. For crystal clear pool water, follow our 4 step pool care program: Step 1: Test and adjust pool water balance, Step 2: Chlorinate and clarify, Step 3: Shock treat your pool at least once a week, and Step 4: Add algaecide regularly.

Additional shocking to keep water clean and clear is recommended after:

- Rain and heavy winds
- High number of swimmers
- Increased water temperature
- Increased frequency of pool usage

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HOW TO USE: One tablet weighs 1/4 ounce. Add the recommended dosages of this product during evening hours while the filter pump is running.

Use the clean, dry scoop if it is provided. DO NOT use any other scoop. DO NOT use the scoop for any other purpose. Use the markings on the container if a scoop is not provided.

You may place this product into your pool in the following ways:

1. Use a floating dispenser or feeder designed for this product. Use only new feeders or floaters or ones that have previously contained only this product.
2. Use the skimmer. Remove any other chemical or residue from skimmer basket before adding recommended amount of this product. Failure to do so could result in a chemical reaction or possible explosion.

DO NOT reuse floaters or feeders that have been used with other pool chemicals, including HTH or other brands. DO NOT throw tablets directly into pool or use in any chlorinating device that has been used with other chlorinating compounds.

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Water Balance: For best product performance, swimmer comfort, and crystal clear water: **1.** Maintain pH in the range of 7.2 to 7.6. **2.** Maintain total alkalinity in the range of 60 to 100 parts per million (ppm). **3.** Maintain calcium hardness above 200 ppm. Use a reliable test kit that measures all these ranges. Use HTH Pool Care Products to make adjustments. Follow label directions for each product.

OPENING YOUR POOL: For best results, see the Water Balance section above before treatment. Always adjust and maintain pH in the 7.2 to 7.6 range. **1.** Follow "SHOCK TREATMENT" directions on this package. **2.** Allow 30 minutes for product to disperse. **3.** Test free available chlorine residual with a pool test kit. DO NOT enter pool until the free available chlorine residual is 1-4 ppm. **4.** Repeat treatment as needed.

ROUTINE CHLORINATION:

For best results, see Water Balance section above before treatment. Throughout the pool season, adjust pH to 7.2-7.6. Add 8 to 11 ounces of this product per 10,000 gallons of pool water DAILY or as often as needed to maintain the free available chlorine residual at 1-4 ppm. Follow "HOW TO USE" directions on this package. If your pool is stabilized using HTH stabilizer and conditioner, add 4 - 6 ounces per 10,000 gallons of pool water every other day or as often as needed to maintain the free available chlorine residual at 1-4 ppm. Follow "HOW TO USE" directions on this package.

SHOCK TREATMENT:

For best results, see Water Balance section above before treatment.

1. Adjust and maintain pH to 7.2-7.6 with HTH[®] pH Plus[®] or HTH pH Minus. Follow label directions on that product.
2. Shock treat using HTH Sock It[®], Super Sock It[®], Sock It Shock n' Swim[™], or Super Sock It Shock n' Swim shock products. Follow label directions on those products.
3. DO NOT enter pool until the free available chlorine residual is 1-4 parts per million (ppm).

For preventative algae control, use your preferred HTH algaecide product regularly.

SPA/HOT-TUB: For best results, see "WATER BALANCE" section above before treatment. Apply 0.7 ounces (about 3 tablets) of this product per 500 gallons of water to the skimmer to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable test kit. Adjust and maintain spa water pH to between 7.2 and 7.6. Maintain these conditions for proper spa and hot tub operation by frequent testing with a test kit. It is recommended that spas and hot tubs be drained every 30-90 days, more often under heavy use. Consult manufacturer's recommendations concerning the compatibility of chlorine sanitizers with their equipment. Some oils, lotions, fragrances, cleansers, etc., may cause foaming or cloudy water and may react with chlorine sanitizers to reduce their efficacy.

Regular Use: For best results, see "WATER BALANCE" section above before treatment. Turn on circulation system and ensure that it is operating properly. To maintain the water, apply 0.7 ounces (about 3 tablets) of this product per 500 gallons of water to the skimmer to maintain a chlorine concentration of 5 ppm. Do not enter the spa until chlorine residual reaches 1-5 ppm. Test for free available chlorine and add additional product if necessary to attain a chlorine concentration of 1-5 ppm free available chlorine. After each use, shock treat with 2 ounces (about 8 tablets) of this product per 500 gallons of water, to control odor and algae. Repeat as needed.

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{The dosage given below is a 15 ppm dose, which, in the RED, is prescribed as a DAILY dose. This is extremely high, and to avoid overchlorination we have altered it to twice weekly rather than daily.}

Extended Non-use Period: For best results, see "WATER BALANCE" section above before treatment. During extended periods when the spa or hot tub is not being used add 2 ounces (about 8 tablets) of this product per 500 gallons twice a week with the circulation system running or as needed to maintain a 3 ppm free available chlorine concentration.

SEWAGE & WASTEWATER EFFLUENT TREATMENT

The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or Fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

On the average, satisfactory disinfection of secondary waste water effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

The following are critical factors affecting waste water disinfection.

1. **Mixing:** It is imperative that the product and the waste water be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the waste water.
2. **Contacting:** Upon flash mixing, the flow through the system must be maintained.
3. **Dosage/Residual Control:** Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

EFFLUENT SLIME CONTROL - Apply a 100 to 1000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 3 to 29 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 0.43 oz. (12 gm.) of this product with 100 gallons of water.

{end of Tablets package use instructions}

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STORAGE & DISPOSAL

- Keep this product dry in its tightly closed container when not in use.
- Store in a cool, dry, well-ventilated area
- Keep away from heat or open flame
- Do not reuse empty container.
- {The following statement has changed to be consistent with current labeling:} Rinse empty container thoroughly with water to dissolve all material and discard container in trash.
- Do not contaminate food or feed by storage or disposal or cleaning of equipment.
- For disposal of a contaminated or decomposing product, see Emergency Handling.

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER. Highly corrosive.

- Causes irreversible eye damage or skin burns.
- Harmful if swallowed or absorbed through skin.
- Do not get in eyes, on skin or on clothing.
- Wear goggles or face shield.
- Wear protective clothing and rubber gloves.
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove contaminated clothing and wash clothing before reuse.

{The CHEMICAL HAZARDS section while different from the approved 1258-1237 labeling, is consistent with newly approved labeling:}

CHEMICAL HAZARDS: DANGER. Strong oxidizing agent.

Add only into water. Use only clean dry utensils to dispense this product. Do not use this product in a container or dispensing device that has been used with any other product. Keep all foreign matter, including other [spa and] pool treatment products, away from this product. Do not allow to become wet or damp before use. Contamination may start a chemical reaction that can give off heat and hazardous gases and may cause a fire or explosion. Do not touch this chemical with a flame or burning material (like a lighted cigarette).

{First sentence of paragraph below for 50 lb. containers or less, complete paragraph for all other sizes}

ENVIRONMENTAL HAZARD: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

EMERGENCY HANDLING: In case of contamination or decomposition:

1. Do not reseal container.
2. Immediately remove container to an open and well-ventilated outdoor area by itself.
3. Flood with large amounts of water until the material is dissolved.
4. Dispose of container and any remaining material in an approved landfill area.

HTH HELPLINE

Toll-Free -800-HTH-POOL (800-484-7665) (866-4POOLFUN)

Call 7 days a week with your questions concerning pool water care.

8:00 a.m. - 10:00 p.m. Eastern Time

Please visit <http://www.hthpools.com> (www.hthpoolife.com)

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HTH®, pH Plus®, Sock It®, Super Sock It®, and Duration® are registered trademarks of Arch Chemicals, Inc.

Clean 'n Scrub, Shock 'n Swim, and the HTH logo are trademarks of Arch Chemicals, Inc.

Dosage Tables:

| Pool Size, Gallons | Number of capsules to use a starting point dosage | |
|-----------------------|---|--|
| | Stabilized Number of Capsules | No Stabilizer Number of Capsules |
| 2,500 | | 1 |
| 3,000 | | 1 |
| 3,500 | | 1 |
| 4,000 | 1 | 1 |
| 4,500 | 1 | 1 |
| 5,000 | 1 | 2 |
| 5,500 | 1 | 2 |
| 6,000 | 1 | 2 |
| 6,500 | 1 | 2 |
| 7,000 | 1 | 3 |
| 7,500 | 2 | 3 |
| 8,000 | 2 | 3 |
| 9,000 | 2 | 3 |
| 10,000 | 2 | 4 |
| 11,000 | 2 | 4 |
| 12,000 | 2 | 5 |
| 13,000 | 2 | 5 |
| 14,000 | 2 | 6 |
| 15,000 | 3 | 6 |
| 16,000 | 3 | 7 |
| 17,000 | 3 | 7 |
| 18,000 | 3 | 7 |
| 19,000 | 3 | 7 |
| 20,000 | 3 | 7 |
| 25,000 | 4 | 9 |
| 30,000 | 5 | 10 |
| 35,000 | 6 | 11 |
| 40,000 | 6 | 12 |
| 45,000 | 6 | 14 |
| 50,000 | 7 | 16 |
| 55,000 | 7 | 18 |
| 60,000 | 8 | 20 |
| 65,000 | 9 | 22 |
| 70,000 | 10 | 23 |
| 75,000 | 11 | 24 |
| 80,000 | 12 | 25 |
| 85,000 | 13 | 27 |
| 90,000 | 14 | 29 |
| 95,000 | 15 | 31 |
| 100,000 | 16 | 33 |