

Olin Corporation  
120 Long Ridge Road  
Stamford, CT 06904

**BEST AVAILABLE COPY**

MAY 2 1985

Gentlemen:

Subject: **HTW Duration Floater Cartridge Floater**  
**EPA Registration No. 1258-934**  
**Your Amended Application of April 22, 1985**

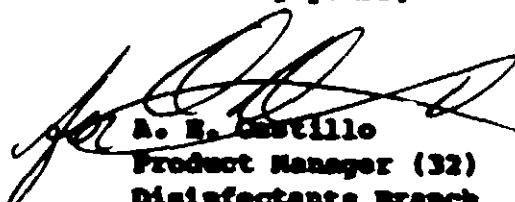
The labeling for the application referred to above, submitted in connection with your application for amended registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (FIFRA), is acceptable since you have agreed that you will submit and/or cite all data required for registration/reregistration of your product under FIFRA Section (3)(c)(5) when the Agency requires all registrants of similar products to submit such data.

If the conditions of this amendment are not complied with, the registration will be subject to cancellation in accordance with Section 6(e) of the Act.

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

Our records have been changed to reflect the product name change from "Olin Falsar Dry Chlorinating Pellets for Use With Swimming Pool Feeder" to "HTW Duration Floater Cartridge."

Sincerely yours,



**A. E. Castillo**  
**Product Manager (32)**  
**Disinfectants Branch**  
**Registration Division (TS-767C)**

Enclosure

RD/DIS:JOB:92207:Laird:RD:85/20:Kendrick:898-1270:4/26/85:Del:5/3/85:ac

| CONCURRENCES |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|
| SYMBOL ▶     |  |  |  |  |  |  |  |
| DATE ▶       |  |  |  |  |  |  |  |

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAY 2 1985

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

1258-934

HTH® DURATION

Floater Cartridge

Kills Bacteria and Controls Algae for 14 Days  
Adjustable • Signals when Empty • Disposable •  
No need to touch the Chlorinating Tablets • Uniform Feed Rate

KEEP OUT OF REACH OF CHILDREN

**DANGER!**

CONTAMINATION MAY CAUSE FIRE!  
SEE PRECAUTIONARY STATEMENTS AND  
FIRST AID INFORMATION ON BACK PANEL

NET WT.

2 lb. 10 oz.

Active Ingredient:

\*Calcium Hypochlorite 65%

Inert Ingredients: 35%

\*Available Chlorine 65%

FOR USE IN HTH® DURATION

FLOATER ONLY

EPA Reg No. 1258-934

EPA Est No. 1258-TN-1

The HTH® Duration Floater Cartridge is part of an advanced adjustable chlorinating system that kills bacteria and controls algae for 14 days under normal conditions in a stabilized 20,000 gallon pool. The convenient disposable cartridge lets you control the rate of chlorine delivery to meet changing conditions in your pool, and you never have to touch the chlorinating tablets. It even signals when it's time to replace the cartridge. For use only in an HTH® Duration Floater.

#### **DIRECTIONS FOR USE:**

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

1. Adjust pH level to 7.2 - 7.6

2. Bring Free Available Chlorine (FAC) residual to 1-3 ppm using HTH® Super Chlorinator/Shock.

Follow Label Directions.

3. Stabilize the pool with cyanuric acid (e.g., HTH® Stabilizer/Conditioner)

Follow Label Directions.

4. Hold cartridge so that open end faces down, insert into floater and set the feed indicator into the notch that corresponds to the pool capacity. To change the FAC, raise the cartridge and reset it either to the left (decrease FAC) or right (increase FAC). Operate pool for 1 day. Check the FAC residual and increase/decrease to maintain 1-3 ppm FAC.

5. Once you have determined the proper setting for your pool you should not have to readjust the setting under normal conditions. Should conditions change (e.g., weather, pool use, etc.) the cartridge can be easily adjusted to increase or decrease the chlorine feed. Owners of larger pools may elect to use two cartridges with each set at roughly half the pool capacity.

6. Superchlorinate if needed.

7. When the indicator flag tilts from the cartridge, it is empty and should be replaced with a new one. DO NOT REUSE.

Store cartridges in original container in a cool, dry, well-ventilated area away from heat or open flame. In case of decomposition, isolate container and flood area with large amounts of water to dissolve all material before discarding this cartridge. Do not contaminate food or feed with this product. This adjustable cartridge is designed for one time use. When empty triple rinse in pool water, drain, wrap in newspaper and discard in trash.

**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. Irritating to nose and throat. DO NOT handle chlorinating chemical without wearing rubber gloves and goggles.

**FIRST AID (Practical Treatment)**

**IF CHEMICAL GETS ON SKIN:** Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists get medical attention.

**IF INHALED:** Remove person to fresh air. Get immediate medical attention.

**IF IN EYES:** Flush with cold water for at least 15 minutes. Get immediate medical attention. **IF SWALLOWED:** Give bread soaked in milk followed by large amounts of water. If person is conscious and vomiting, place face down with head lower than hips. Get immediate medical attention.

**CHEMICAL HAZARDS: DANGER:**

Strong oxidizing agent. Do not refill empty cartridge. Contamination with any substance may start a chemical reaction with generation of heat, liberation of hazardous gases and possible fire and explosion. Avoid any contact with flame or burning material, such as a lighted cigarette.

**ENVIRONMENTAL HAZARD:** This product is toxic to fish. Do not contaminate lakes, ponds or streams.

**OLIN Consumer Products • Olin Corporation, 120 Long Ridge Road,  
Stamford, CT. 06904-1355**

**HTH® is a Registered Trademark of Olin Corporation  
DURATION is a Trademark of Olin Corporation.**

Copy 1 # 1258-934 17/1/31

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with COMMENTS  
in EPA Letter Dated:

MAY 2 1985

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Fungicide, and Rodenticide Act  
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1258-934

hth® DURATION™

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Adjustable • Signals when Empty • Disposable •  
No need to touch the Chlorinating Tablets • Uniform Feed Rate

*7/1/85*

KEEP OUT OF REACH OF CHILDREN

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SEE PRECAUTIONARY STATEMENTS AND  
FIRST AID INFORMATION ON BACK PANEL

NET WT. Active Ingredient:  
2 lb. 10 oz. \*Calcium Hypochlorite 65%  
Inert Ingredients: 35%  
\*Available Chlorine 65%  
FOR USE IN HTH® DURATION  
FLOATER ONLY

EPA Reg No. 1258-934  
EPA Lst No. 1258-TN-1

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3 of 4 #1258-234 PM 3/

The HTH® Duration Floater Cartridge is part of an advanced adjustable chlorinating system that kills bacteria and controls algae for 14 days under normal conditions in a stabilized 20,000 gallon pool. The convenient disposable cartridge lets you control the rate of chlorine delivery to meet changing conditions in your pool, and you never have to touch the chlorinating tablets. It even signals when it's time to replace the cartridge. For use only in an HTH® Duration Floater.

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Stamford, CT. 06904-1355

**HTH** is a Registered Trademark of Olin Corporation  
**DURATION** is a Trademark of Olin Corporation.

Olin Corporation  
120 Long Ridge Road  
Stamford, CT 06904

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MAY 2 1985

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Subject: NTH Duration Floater Cartridge Floater  
EPA Registration No. 1258-934  
Your Amended Application of April 22, 1985

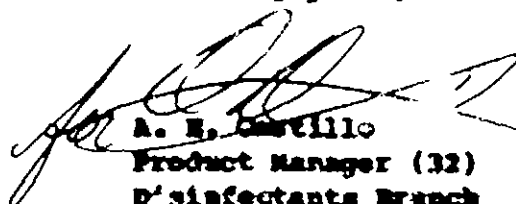
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Our records have been changed to reflect the product name change from "Olin Pulsar Dry Chlorinating Pellets for Use With Swimming Pool Feeder" to "NTH Duration Floater Cartridge."

Sincerely yours,

  
A. E. Castillo  
Product Manager (32)  
Disinfectants Branch

Registration Division (TS-767)

Enclosure

RD/DJB:JON:92207:Laird:RD:85/20:Kendrick:898-1270:4/26/85:Del:5/3/85:ac

| CONCLUSIONS |  |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|--|
| SYMBOL      |  |  |  |  |  |  |  |
| DESCRIPTION |  |  |  |  |  |  |  |
| DATE        |  |  |  |  |  |  |  |



77 # 1258-934 12/13/81

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAY 2 1985

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1258-934

ht<sup>®</sup> DURATION<sup>™</sup>

Floater Cartridge

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*7/1/85*

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FIRST AID INFORMATION ON BACK PANEL

NET WT.      Active Ingredient:  
2 lb. 10 oz.   \*Calcium Hypochlorite   65%  
                  Inert Ingredients:       35%  
                  \*Available Chlorine     65%  
FOR USE IN HTH<sup>®</sup> DURATION  
                  FLOATER ONLY

EPA Reg No. 1258-934  
EPA Est No. 1258-YN-1

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**OLIN Consumer Products** • Olin Corporation, 120 Long Ridge Road,  
Stamford, CT. 06904-1355

UTH® is a Registered Trademark of Olin Corporation  
DURATION is a Trademark of Olin Corporation.

Rates differ from BRAVO® 500 AGRICULTURAL FUNGICIDE



**BRAVO® S**

Agricultural Fungicide/Miticide with Adjuvants

| ACTIVE INGREDIENTS                                  | BY WT   |
|---|---------|
| Sulphur .....                                       | 27.25%  |
| Chlorothalonil (tetrachloroisophthalonitrile)** ... | 19.15%  |
| INERT INGREDIENTS                                   |         |
| TOTAL .....   | 53.60%  |
| TOTAL .....   | 100.00% |

Contains 2.96 pounds Sulphur and 2.08 pounds Chlorothalonil per gallon  
BRAVO is a registered trademark of Diamond Shamrock Corporation.

\*\*Covered under U.S. Patent No. 3,290,353, No. 3,331,735 and No. 3,948,630

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See side panel for additional precautionary statements.

EPA EST. NO. 5905-GA-1  
EPA REG. NO. 5905-472

**NET CONTENTS**  
2.5 gallons (9.46 liters)



### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) CAUTION

**CAUSES EYE IRRITATION, SKIN SENSITIZER.** Do not get in eyes, on skin, or on clothing. Wear goggles or eye shield when handling this product. Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat, or skin. Do not store near food or food-stuffs.

**IF SWALLOWED:** Give one or two glasses of water and induce vomiting by touching finger to the back of throat.

**IF ON SKIN:** Wash thoroughly with soap and water.

**IF IN EYES:** Flush eyes with plenty of water immediately for at least 15 minutes. Call a physician.

May produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin area. Persons having allergic reaction should contact a physician. Affected persons respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Advise to physician. Persons having an allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.

### ENVIRONMENTAL HAZARDS

"This product is toxic to fish, aquatic invertebrates, and marine estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas."

### DIRECTIONS FOR USE

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

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Store in cool place. Protect from excessive heat. If frozen material, generally be restored after thawing and mixing. Repeated freezing/thawing cycles may impair utility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or mist 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.

### GENERAL DIRECTIONS

**Note to User:** This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin area. Persons having allergic reaction should contact a physician.

**Note to User:** Wear long sleeve shirt, long pants and gloves while mixing, loading and applying this product.

**Note to User:** Do not enter treated area to perform hard labor within 24 hours of application unless protective clothing is worn.

**Note to User:** Do not rotate to crops other than those listed on labels within 12 months of the last treatment. After 12 months from the last application, leafy vegetables (i.e. spinach, lettuce, kale, etc.) may also be rotated.

BRAVO S from Helena is not an official EPA registered pesticide.

ACCEPTED

JUL 25 1985

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended for pesticide  
registered under  
EPA Reg. No. 5905-472

Application and Calibration Techniques for Sprinkler Irrigation 5905-4

- Order First and Traveling Gun Irrigation Equipment - Operate system and injection equipment at normal pressure receiver. Fill tank of injection equipment with water. Operate system for one traveling gun equipment, measuring time required, amount of water recommended amount of Bravo S for acreage to be covered into same system continuously for one revolution or run. Shut off injection equipment until Bravo S has been cleared from last sprinkler head.
- World Rot and Portable (Wheel Move) Irrigation Equipment - Determine acreage covered by sprinkler. Fill tank of injection equipment to forty-five minute period. Also desired amount of Bravo S for acre calibration and operate entire system at normal pressure recommended amount of time established during calibration. Bravo S can be injected separate application. Stop injection equipment after treatment is complete. Bravo S has been cleared from last sprinkler head.

Chemical injection pumps and water pumps must have interlocking controls to DO NOT operate irrigation system without safety valves or other devices to prevent water treated with Bravo S should be maintained on the treated area until the well be connected to the discharge side of injection pump or other pressurized equipment.

### DIRECTIONS FOR

Slowly invert container several times to assure uniform mixture. Pour recommended running during filling and spraying operation. DO NOT ALLOW MIXTURE TO SET IN BRINE 2 to settle and may necessitate manual stirring to redispense.

DO NOT USE WITHIN FOUR (4) WEEKS OF SULPHUR IS HIGHLY CORROSIVE AND EQUIPMENT SHOULD BE CLEANED AFTER EACH DAY'S SPRAY.

### RECOMMENDATIONS

When growing crops for processing, consult the processor.

| CROP                   | DISEASES/INSECTS  | RATE PER ACRE        | ADDITIONAL COMMENTS           |
|------------------------|---|----------------------|-------------------------------|
| Bean (Snap)            | Rust  | 4-8 pints            | Use before beans are in pod.  |
|                        | Botrytis blight (gray mold), Powdery mildew, Red Spider Mites | 8 pints              | Use before beans are in pod.  |
|                        | Cabbage, Cauliflower, Broccoli, Brussels Sprouts              | 4 1/2 pints          | Use before plants are in pod. |
|                        | Downy mildew  | 4 1/2 pints          | Use before plants are in pod. |
| Peanut                 | Ring spot (California only)                                   | 5 1/2 pints          | Use before plants are in pod. |
|                        | Powdery mildew, Red spider mites                              | 5 1/2 pints          | Use before plants are in pod. |
|                        | Early leaf spot (Cercospora)                                  | 3 to 4 1/2 pints     | Use before plants are in pod. |
|                        | Late leaf spot (Cercospora)                                   | 4 1/2 pints          | Use before plants are in pod. |
| Potato                 | Rust, Web blotch  | 4 1/2 pints          | Use before plants are in pod. |
|                        | Early blight, Late blight                                     | 3 to 4 1/2 pints     | Use before plants are in pod. |
|                        | Botrytis vine rot (Botrytis spp.)                             | 2 1/2 to 4 1/2 pints | Use before plants are in pod. |
|                        | Early blight, Late blight (Dryland culture only)              | 4 1/2 pints          | Use before plants are in pod. |
| Tomato                 | Powdery mildew  | 4 1/2 pints          | Use before plants are in pod. |
|                        | Early blight, Late blight                                     | 4 1/2 to 5 1/2 pints | Use before plants are in pod. |
|                        | Gray leaf spot, Gray leaf mold                                | 4 1/2 to 5 1/2 pints | Use before plants are in pod. |
|                        | Septoria leaf spot  | 4 1/2 to 5 1/2 pints | Use before plants are in pod. |
| TREE AND ORCHARD CROPS | Anthracnose   | 5 1/2 to 8 1/2 pints | Use before plants are in pod. |
|                        | Rhizoctonia fruit rot   | 8 1/2 pints          | Use before plants are in pod. |
|                        | Botrytis gray mold  | 8 1/2 pints          | Use before plants are in pod. |
|                        | Tomato russet mite  | 8 1/2 pints          | Use before plants are in pod. |

**TREE AND ORCHARD CROPS:** Apply 1/2 to 1 1/2 pints per acre. Rate for proper calibration to obtain uniform coverage. When concentrate sprays are used, or when treating non-bearing trees, the following spray volumes are recommended as gallons of spray per acre.

| CROP         | DILUTE | BRAND RATE PER ACRE |
|--------------|--------|---------------------|
| Peach        | 300    | 100 GAL             |
| Nectarine    |        |                     |
| Tart Cherry  |        |                     |
| Plum         |        |                     |
| Prune        |        |                     |
| Apricot      |        |                     |
| Sweet Cherry | 400    |                     |

| CROP      | DISEASES                     | RATE PER ACRE | ADDITIONAL COMMENTS |
|-----------|------------------------------|---------------|---------------------|
| Peach     | Leaf curl                    | 9-12 pints    | 3-4 pints           |
| Nectarine | Corymbose blight (Shot-hole) | 9-12 pints    | 3-4 pints           |
| Plum      | Shot-hole                    | 9-12 pints    | 3-4 pints           |
| Prune     | Shot-hole                    | 9-12 pints    | 3-4 pints           |
| Apricot   | Shot-hole                    | 9-12 pints    | 3-4 pints           |
| BROWN ROT | Blossom blight               | 12-15 pints   | 3-4 pints           |
|           | Powdery mildew               | 12-15 pints   | 3-4 pints           |
|           | Gray blight                  | 12-15 pints   | 3-4 pints           |
|           | Scab on peaches              | 12-15 pints   | 3-4 pints           |
| CHERRY    | Cherry leaf spot             | 9-12 pints    | 3-4 pints           |
|           | Peach Nectarine              | 9-12 pints    | 3-4 pints           |