

MAY 9 1986

Hill Brothers Chemical Company  
4450 North 42nd Avenue  
Phoenix, AZ 85019

Gentlemen:

Subject: Swim Chem Chlorinating Solution  
EPA Registration No. 266-34  
Your Amendment Application Dated March 28, 1986

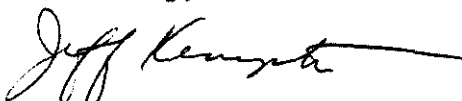
The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) is acceptable provided that you:

1. Make the labeling changes in accordance with the enclosed edited label before you release the product for shipment bearing the amended labeling.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Sincerely,



Jeff Kempter  
Acting Product Manager (32)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosures  
87000:Jenkins:C.Disk:KENCO:5/6/86:TAR:LF

CONCURRENCES

SYMBOL	TS-767C						
SURNAME	JMK						
DATE	5-9-86						

SWIM CHEM LIQUID CHLORINATING SOLUTION

ACTIVE INGREDIENT:  
 Sodium Hypochlorite.....12.5%  
 INERT INGREDIENTS:.....87.5%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

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

IF CONTACT WITH SKIN OCCURS, wash with plenty of soap and water.

IF SWALLOWED, drink large quantities of milk or gelatin solution, if these are not available, drink large quantities of water. DO NOT give vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention.

Manufactured by:  
 HILL BROTHERS CHEMICAL COMPANY  
 4450 N. 42ND AVENUE  
 PHOENIX, ARIZONA 85019

EPA REG NO. 266-34

ACCEPTED  
 WITH COMMENTS  
 In 1986

MAY 09 1986

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 approved for the pesticide  
 registered under EPA Reg. No.  
266-34

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

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 according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

Approved  
for use in the United States

MAY 09 1986

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

266-34

REGISTERED  
MAY 03 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the purpose of registered under EPA Reg. No. 266-34

DIRECTIONS FOR USE

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

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

STORAGE AND DISPOSAL

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. ~~Do not reuse container but place in trash collection.~~ Do not contaminate food or feed by storage, disposal or cleaning of equipment.

*Return Empty container for deposit refund.*

SWIMMING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate with 52 to 104 oz. of 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. Adjust and maintain pool water pH to between 7.2 to 7.8. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.

*15-32oz*

To maintain the pool, add manually or by a feeder device ~~11~~ *15-32* oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. 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.

Every 7 days, or as necessary, superchlorinate the pool with 52 to 104 oz. of 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 3 oz. of 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' instructions.

~~SPAS, HOT-TUBS, IMMERSION TANKS, ETC.~~

*Maintenance Daily*  
~~SPAS/HOT TUBS~~ - Apply  $5\frac{1}{2}$  oz. of product per 1000 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils

To maintain the water, apply 5/32 oz. of product per 1000 gallons of water over the surface to maintain a chlorine concentration of 5 ppm.

After each use, shock treat with 8 oz. of this product per 500 gallons of water to control odor and algae.

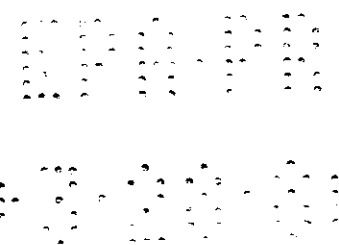
During extended periods of disuse, add 3 oz. of product daily per 1000 gallons of water to maintain a 3 ppm chlorine concentration.

~~HUBBARD AND IMMERSION TANKS - Add 5 oz. of this product per 200 gallons of water before patient use to obtain a chlorine residual of 25 ppm, as determined by a suitable test kit. Adjust and maintain the water pH to between 7.2 and 7.6. After each use drain the tank. Add 5 oz. to a bucket of water and circulate this solution through the agitator of the tank for 15 minutes and then rinse out the solution. Clean tank thoroughly and dry with clean cloths.~~

~~HYDROTHERAPY TANKS - Add 1 oz. of this product per 1000 gallons of water to obtain a chlorine residual of 1 ppm, as determined by a suitable chlorine test kit. Pool should not be entered until the chlorine residual is below 3 ppm. Adjust and maintain the water pH to between 7.2 and 7.6. Operate pool filter continuously. Drain pool weekly, and clean before refilling.~~

1966-1970  
 Family of ...  
 as amended ...  
 registered under ...  
 266-34

SWIM CHEM LIQUID CHLORINATING SOLUTION



APPROVED  
EPA Reg. No. 266-34  
Insecticide Act  
EPA Reg. No. 266-34

# CHLORINATING LIQUID FOR POOL AND SPA SANITIZATION

ACTIVE INGREDIENT: SODIUM HYPOCHLORITE .....12.5%  
INERT INGREDIENTS: .....87.5%

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive, harmful if swallowed, causes eye damage. May cause severe skin irritation or chemical burns. Wear goggles and gloves when handling. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas after use. Do not return until odors have dissipated.

**FIRST AID:** If swallowed drink large quantities of milk or gelatin solution, or large quantities of water. If in eyes remove contact lenses and wash eyes for 15 minutes. On skin, wash thoroughly with soap and water. Do not give vinegar or other acids. Do not induce vomiting. Get prompt medical attention in all cases.

See additional precautionary statements on back panel.

MANUFACTURED BY  
HILL BROTHERS CHEMICAL COMPANY  
4450 N. 42ND AVENUE  
PHOENIX, ARIZONA 85019

EPA Reg. No. 266-34

## Net: 1 Gallon

617

### DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Pool Start-up/superchlorination - add 3/4 quarts per 10,000 gallons of pool water (equal to 10 ppm available chlorine). Maintenance dosage is ~~5~~<sup>1.5-3.0</sup> ounces daily or as necessary to maintain residual in 1.5-3.0 ppm range. For spas, add 5 1/2 ounces per 1,000 gallons (5 ppm available chlorine) for maintenance. Maintain pH between 7.2 to 7.8. See manufacturer's collateral labeling for additional and complete use directions available at dealer.

**Note:** This product loses strength with age. Use a reliable test kit and adjust dosages as necessary to obtain required level of chlorine.

DOT shipping information: 12.5% Hypochlorite Solution, Corrosive Material, UN 1791, DOT-E-6614

### ENVIRONMENTAL HAZARDS:

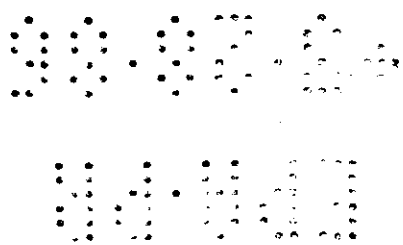
This product is toxic to fish. Keep out of lakes, streams, ponds, and public water unless in accordance with a NPDES permit. For guidance contact EPA regional office.

### PHYSICAL AND CHEMICAL HAZARDS:

Strong oxidizing agent. Mix only with water. Mixing with other chemicals or organic matter will release chlorine gas, irritating to eyes, lungs, and mucous membranes.

### STORAGE, SPILLS, AND CONTAINER RETURN:

Store in a cool, dry place, away from direct sunlight. In case of spill, flood area with water. Return bottle to dealer with closure tightly fastened.



Under the Federal Insecticide, Fungicide, and Rodenticide Act registered under EPA Reg. No. 266-34

MAY 09 1986

RECEIVED  
EPA COMMENTS  
EPA Letter 12-86