

PM 32 11011-2

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (15 262) WASHINGTON, DC 20460	EPA REGISTRATION NO. <b>11011-2</b>	DATE OF ISSUANCE
	NAME OF PESTICIDE PRODUCT <b>Esbro Chlor</b>	

NOTICE OF PESTICIDE  Reregistration  
 New Registration  
*(This notice is not valid unless accompanied by a copy of the pesticide label.)*

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Esbro Chemical  
 P. O. Box 523  
 Redwood City, CA 94064

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Make the following labeling changes before you release the product for shipment:

1. The "Directions For Use" heading and the statement "It is a violation of Federal Law to Use this product in a manner inconsistent with its labeling" should be separated from the available dosage statements.
2. Add the heading "Initial Dosage" before the entry to the dosage statements.
3. The heading "First Aid Treatment" should be changed to read: "Statement of Practical Treatment (First Aid)."

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

4. Revise the ingestion statement to read: "If swallowed, drink large amounts of water. Do not induce vomiting. Call a physician or poison control center immediately".
5. Revise the "Environmental Hazards" statement on the label to read:

"This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

6. In the collateral labeling (p. 5) include "This pesticide is toxic to fish and aquatic organisms" as the first sentence under "Environmental Hazards".

A stamped copy of the product label is enclosed for your records. Submit one copy of the final printed label before releasing the product in channels of trade with the revised 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.



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (7505C)

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# ESBRO-CHLOR

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 quantity of milk or gelatin solution, or large amounts of water. Do not give vinegar or other acids. Do not induce vomiting. If in eyes remove contact lenses and wash eyes for 15 minutes. On skin, wash thoroughly with soap and water. Get prompt medical attention in all cases.  
See additional precautionary statements on back panel.

MANUFACTURED BY  
ESBRO CHEMICAL, REDWOOD CITY, CA 94063

EPA Est. No. 11011-CA.1 EPA Reg. No. 11011-1

**Net: 1 Gallon**

**BEST AVAILABLE COPY**

SEP 30 1994

USE ONLY FOR REGISTERED PURPOSES  
REGISTERED UNDER EPA REG. NO. 11011-1

BACK PANEL EMBOSSED LABEL

**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 3¼ quarts per 10,000 gallons of pool water (equal to 10 ppm available chlorine). Maintenance dosage is 15-30 ounces daily or as necessary to maintain residual in 1.5-3.0 ppm range. For spas, add 5½ 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.

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# ESBRO-CHLOR

EPA Est. No. 11011-CA.1    EPA Reg. No. 11011-2

MANUFACTURED BY  
ESBRO CHEMICAL, REDWOOD CITY, CA 94063

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**CHLORINATING LIQUID FOR POOL  
AND SPA SANITIZATION**

Active Ingredient: sodium hypochlor-  
ite.....12.5%  
Inert Ingredients:.....87.5%

**KEEP OUT OF THE REACH OF CHILDREN  
DANGER**

**FIRST AID**

If contact with eyes occurs, flush with water for at least fifteen minutes. If wearing contact lenses, first rinse eyes, remove contact lenses, and continue flushing with water for at least fifteen 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.

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**BEST AVAILABLE COPY**

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#### 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 rinsate which cannot be used should be diluted with water before disposal in a sanitary sewer. Return empty container to dealer or distributor for deposit refund. Do not reuse container. If not returned for deposit refund, place in trash for 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 52 to 104 ounces 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 pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.

To maintain the pool, add manually or by a feeder device 11 ounces 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 1.5 to 3.0 ppm available chlorine.

Test the pH, available chlorine residual, and the alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and the number of swimmers.

Every 7 days, or as necessary, superchlorinate the pool with 52 to 104 ounces 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 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 pool within 24 hours of discharge.

**WINTERIZING POOLS-** While water is still clear and clean, apply 3 ounces of product per 1,000 gallons of pool water 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

Apply 5½ ounces of product per 1,000 gallons of water to obtain a free available chlorine residual of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pH to between 7.2 to 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as interfere with the chlorinating process. To maintain the water,



apply 5 1/2 ounces of this product per 1,000 gallons of water over the surface to maintain a chlorine concentration of 5.0 ppm.

After each use, superchlorinate with 8 ounces of this product per 500 gallons of water to control odor and algae.

During extended periods of disuse, add 3 ounces of product daily per 1,000 gallons of water to maintain a 3.0 ppm chlorine concentration.

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

**"Do not discharge effluent containing this product into lakes, streams, ponds, 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."**

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### 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. feces, urine, etc., will release chlorine gas which is irritating to eyes, lungs, and mucous membranes.

### SHIPPING INFORMATION

This product is classified as a hazardous material under regulations issued by the United States Department of Transportation. The correct name and shipping classification for filled containers is as follows: 12.5% Hypochlorite Solution, Corrosive Material, UN 1791, DOT-E-6614. The correct shipping name for return of empty containers to the distributor, dealer, and manufacturer is as follows: Empty containers last contained Hypochlorite Solution, Corrosive Material, UN 1791, DOT-E-6614. Always return empty containers with the original closure tightly affixed to the container neck.