



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510W)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:
 7675-1

Date of Issuance:
 MAY 14 1998

Term of Issuance:

Name of Pesticide Product:
 Formula 2®

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
 FMC Lithium Division
 Highway 161 - P.O. Box 795
 Bessemer City, NC 28016-0795


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.

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 Child Resistant Packaging is Required.
2. Include the word "Poison" and the skull and crossbones symbol immediately below the signal word "DANGER" on the front panel of the label.
3. Under the "Environmental Hazards" statement revise the first sentence to read: "This pesticide is toxic to fish and aquatic organisms".

4. Signature of Approving Official:

 Robert S. Brennis, PM 32

Date:

4. Revise the "Precautionary Statement" to read:

Fatal if inhaled. Corrosive. Causes irreversible eye damage or skin burns. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Do not breathe dust. Wear goggles or face shield. For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

5. Revise the "Statement of Practical Treatment" to read:

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If on Skin: Wash with plenty of soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If in Eyes: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

6. The proposed label should contain a "Note to Physicians". Some suggested types of information include the following:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

Probable mucosal damage may contraindicate the use of gastric lavage.

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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.

Sincerely,



Robert S. Brennis
Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7504C)

Formula 2[®]

DANGER

Keep out of reach of children
See other precautions
and First Aid statements

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABEL.

HOW TO USE FORMULA 2 CHLORINE SANITIZER: To start your pool: 1. Backwash filter. 2. Using your pool test kit adjust pH of pool water to 7.2-7.6. Add soda ash or sodium bicarbonate to correct an acid condition (less than 7.2). Add sodium bisulfate if the pH is greater than 7.6. Maintain pH range of 7.2-7.6 for a minimum of six hours before the addition of Formula 2 chlorine sanitizer and during the entire season. 3. Use two cups of Formula 2 chlorine sanitizer per 5,000 gallons of water.

After the proper pH range (7.2-7.6) and chlorine residuals (1.0-1.5) have been established, it is beneficial to add a chlorine stabilizer (cyanuric acid) to the pool to prevent extreme fluctuations in the chlorine level. Cyanuric acid is available at most pool dealers and should be added in accordance to the instruction on the package for maximum stabilization of the pool water.

HOW TO MAINTAIN THE PROPER CHLORINE RESIDUAL: The chlorine residual should be maintained between 1.0 and 1.5 ppm available chlorine as determined by the chlorine test kit. Under normal conditions, this residual can be maintained by daily addition of about 1/8 cup (2.7 ounces) of Formula 2 chlorine sanitizer for each 5,000 gallons of pool water - if the pool water is properly stabilized with 34-50 ppm of cyanuric acid pool stabilizer. Severe conditions such as high temperature or continued use by many people, will require higher daily dosage, whereas smaller doses may suffice in spring and fall or when the pool is not being subjected to normal bather loads.

The pool water should be super-chlorinated about once each week. Five times the normal daily addition, or a minimum of one cup (eight ounces) per 5,000 gallons of pool water should be added in the evening when the pool will not be used for a minimum of 12 hours. Test the chlorine residual and if above 2.0 ppm do not allow swimming until residual has decreased.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMAN AND DOMESTIC ANIMALS

DANGER: Highly corrosive. May cause skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Irritating 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 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 advised in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewerage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND 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 may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. In case of contamination or decomposition, do not reuse container. If possible isolate container in open air or well ventilated area. Flood with large volumes of water, if necessary.

PRACTICAL TREATMENT (First Aid)

If swallowed: Drink two glasses of water and see a physician immediately. Do not induce vomiting. If on skin: Wash skin thoroughly with cold water for at least 15 minutes. If irritation persists, see a physician. If in eyes: Flush with cold water for at least 15 minutes. Get medical attention.

STORAGE AND DISPOSAL

Store in a cool, dry place. Do not transfer into unlabeled containers. Close container tightly after each use. Protect from moisture and heat. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is not to be reused or is contaminated and cannot be reused, dispose of in the same manner. Do not contaminate water, food or feed by storage or disposal.

Contains 35% available chlorine	EPA Reg No 7675 1
US Patent No 3171814	EPA Est No 7675 NC 1
Active ingredient, lithium hypochlorite	29%
CAS No 13840 33 0	
Inert ingredients	71%

A Lithco[®] product from

FMC[®]

FMC Corporation, Lithium Division
Bessemer City, North Carolina
Formula 2 and Lithco are trademarks of FMC Corporation
002 B 9 94

Emergency Telephone Numbers (24 hours)

Medical 303 595 8048 (collect)
Transportation Chemtrec 800 424 9300
Other emergency FMC Corporation Lithium Division
704 629 5361

Lithium hypochlorite, dry
(UN No. 1471)

Net Wt. 100 lbs

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Reduced 88.07%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 14 1998

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

7675-1



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