

PM 32

7675-9

5-14-98

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

EPA Reg. Number:

Date of Issuance:

7675-9

MAY 14 1998

Term of Issuance:

NOTICE OF PESTICIDE:
____ Registration
 X Reregistration

Name of Pesticide Product:

Formula 2® Spa Shock

(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:

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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:

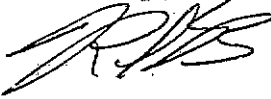
- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

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)

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ACCEPTED
with COMMENTS

to EPA Letter Dated

MAY 14 1998

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

7675-9

Formula 2[®] Spa Shock

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 LABELING.

SPA WATER CARE: Effective use of all spa sanitizers depends on maintaining proper water balance. The following ranges are highly recommended:

- pH 7.4-7.6
- Total Alkalinity 125-150 ppm
- Calcium Hardness 200-300 ppm
- Residual Available Chlorine 2.0-3.0 ppm
- Cyanuric Acid (Indoors) 9 ppm; (Outdoors) 30 ppm

DIRECTIONS: Formula 2 Spa Shock is compatible with all spa sanitizers, but always add spa chemicals separately. Use a reliable test kit with fresh solutions for pH and chlorine testing. Add Formula 2 Spa Shock daily when the water appears dirty or hazy from bather contamination. Turn off the air blower and circulation system. Sprinkle Formula 2 Spa Shock into water at the rate of one ounce per 250 gallons. The granules will dissolve completely within seconds and liberate 10 ppm of available chlorine. Allow the ensuing reaction to proceed 10-15 minutes before covering the spa. Turn on the circulation system. Bathers should not re-enter the spa until the available chlorine residual falls to 3.0 ppm.
Before using the spa, shower or exit to avoid soaking soap, lotions, or oils from the body into the water. Do not add food or beverage to the water. Avoid overloading the spa.

Formula 2 Spa Shock should not be used more than once a day. If the spa is used daily, it should be drained and fresh filled about once a month.

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 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.

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

A Lithco product from



FMC Corporation Lithium Division

Emergency Telephone Numbers (24 hours)

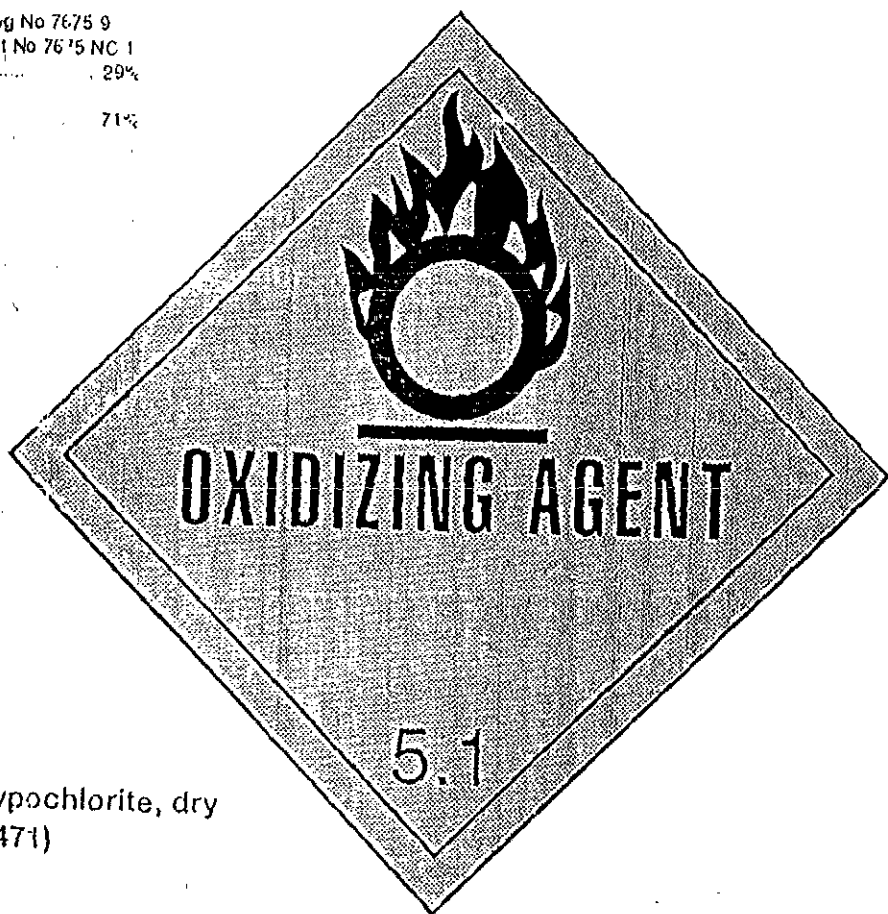
- Medical 303 595 9048 (collect)
- Transportation Chemtrec 800 424 9300
- Other emergency FMC Corporation Lithium Division 704 629 5361

Contains 35% available chlorine EPA Reg No 7675 9
 US Patent No 3171814 EPA Est No 7675 NC 1
 Active ingredient, lithium hypochlorite 29%
 CAS No 13840 33 0
 Inert ingredients 71%

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.



Lithium hypochlorite, dry
 (UN No. 1471)

Net Wt. 2 lbs

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