

PM 32

7675-8

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:  
  
7675-8

Date of Issuance:  
  
MAY 14 1998

NOTICE OF PESTICIDE:  
       Registration  
  X   Reregistration

(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:  
  
Formula 2® Spa Sanitizer

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:

2045

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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page 3

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)

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.

7675-8

# Formula 2<sup>®</sup> Spa Sanitizer

## 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 7.4-7.8

Total Availability 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:** Use one quart cup of Formula 2 Spa Sanitizer  
per 250 gallons of water as an initial treatment. Repeat the  
procedure until a residual of 2.0 to 3.0 ppm is established.  
Frequent testing to determine additional doses needed to maintain  
the proper residual is highly recommended. Use a reliable test kit  
with fresh solutions for pH and chlorine testing.

If a need for superchlorination arises, use one-half cup of  
Formula 2 Spa Sanitizer per 250 gallons of water. Bathers should  
not enter the spa until the available chlorine residual falls to 3.0 ppm.  
Before using the spa, shower in order to avoid adding soap,  
lotions, or oils from the body into the water. Do not add food or  
beverages to the water. Avoid overloading the spa.  
If the spa is used daily, it should be drained completely 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  
vessels. 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

A Lithco product from

# FMC

FMC Corporation, Lithium Division  
Bessemer City, North Carolina

Formula 2 and Lithco are trademarks of FMC Corporation.

Emergency Telephone Numbers (24 hours)

Medical 303 595 9048 (collect)

Transportation Chemtrec 800 424 9300

Other emergency FMC Corporation Lithium Division

704 629 5361

CA 12

eg. No.



Contains 35% available chlorine	EPA Reg No 7675 8
US Patent No 3171814	EPA Est No 7675 NC 1
Active ingredient, lithium hypochlorite	29%
CAS No 13840 33 0	
Inert ingredients	71%

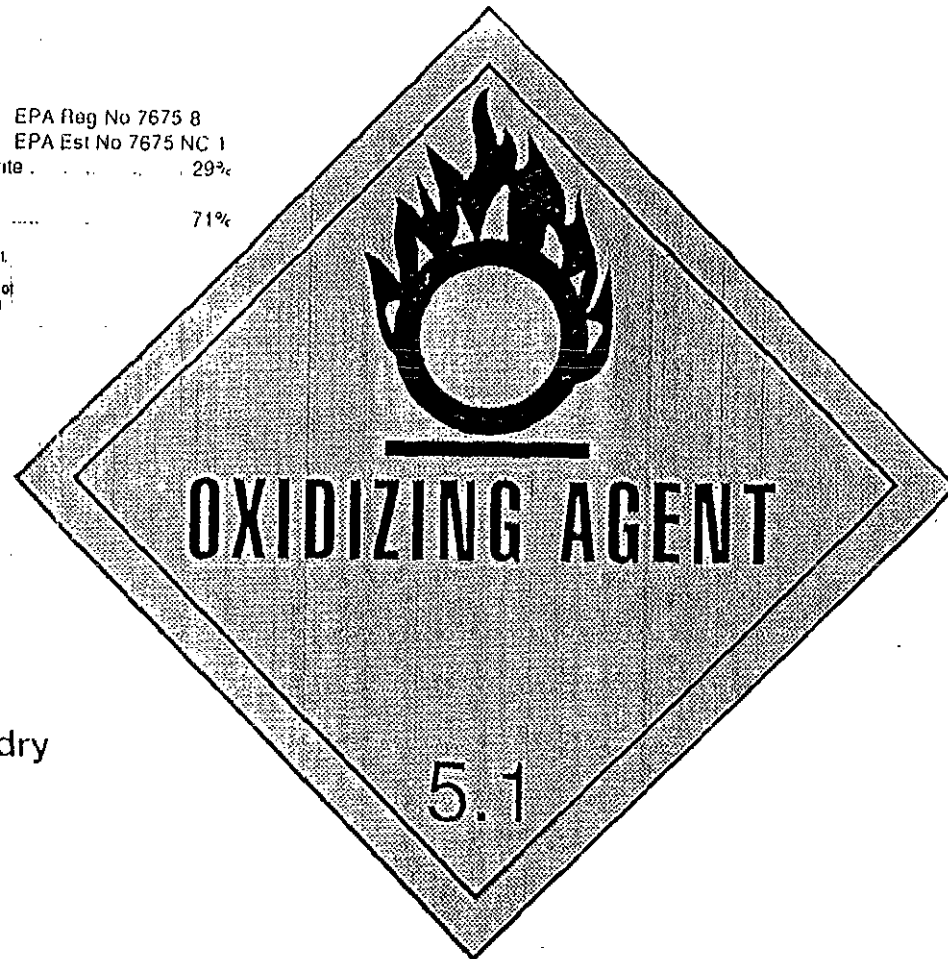
chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. In case of contamination or decomposition do not reuse container. If possible isolate container in open air or well ventilated area. Flood with large volumes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

**Lithium hypochlorite, dry**  
**(UN No. 1471)**

Net Wt 100 lbs



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