

PM 32 935-74

1046

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 18 1997

Occidental Chemical Corporation  
Technical Center, V-81  
P.O. Box 344  
Niagara Falls, NY 14302

Attention: Walton F. Suchanek  
Senior Regulatory Specialist

Subject: Crystal Pure-60M Sanitizer Granules  
EPA Registration Number 935-74  
Your Submission Dated March 21, 1997

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to modify the "Directions for Use" is acceptable subject to the comments listed below.

1. The re-entry statement under "Stock Treatment" should be a separate paragraph and listed as follows:  
Re-entry into treated swimming pool, spa, or hot tubs is prohibited above levels of 3 ppm of active chlorine (6 ppm bromine).
2. A statement should be added to the directions for use to caution against the use of bath oils or salts, or body lotions, since such chemicals may add to the chlorine and/or bromine demand in spas or hot tubs and thus alter product effectiveness.
3. The directions for use should be expanded to specify draining and cleaning of spas or hot tubs at least monthly or whenever the water becomes difficult to manage.

A stamped copy is enclosed for your records. Submit one copy of the final printed label before you release the product for shipment bearing the amended label.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

Doyle

If you have any questions concerning this letter, please  
contact Delores Williams at (703) 308-6372.

Sincerely,



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

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# CRYSTAL PURE™ 60M SANITIZER GRANULES

## ACTIVE INGREDIENTS:

Sodium Dichloro-s-triazinetriene .....90%  
 Sodium Bromide.....7%

INERT INGREDIENTS.....3%  
 100%

Provides 128% Available Bromine  
 Provides 57% Available Chlorine

This product is a high performance bromine microbiocide exclusively formulated for use in spas. When used as directed, it will keep your spa water crystal clear, clean and free of odor.

**KEEP OUT OF REACH OF CHILDREN**

ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated:

**DANGER**

APR 18 1997

## STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

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

If Swallowed: Drink promptly large quantities of water. Do not induce vomiting. Avoid alcohol. Call a physician or poison control center. 935-74

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 a steady, gentle stream of water for 15 minutes. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

See side panel for DIRECTIONS FOR USE

EPA Est. No. 58401-MO-1  
 EPA Reg. No. 935-74

Occidental Chemical Corporation  
 Basic Chemicals Group  
 Dallas, Texas 75380  
 214-404-3800  
 24 Hour Emergency Phone: 1-800-733-3665

'97  
 MAR 26  
 MAR 58

REC'D  
 MAR 26  
 MAR 58  
 935-74

HMIS RATING SYSTEM: HEALTH 3 FLAMMABILITY 1 REACTIVITY 2

**NET WT. 50 LBS. / 22.7 KG.**

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## **PRECAUTIONARY STATEMENTS**

### **HAZARD TO HUMANS AND DOMESTIC ANIMALS**

#### **DANGER**

Corrosive: Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles or face. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### **ENVIRONMENTAL HAZARD**

This pesticide is toxic to fish and aquatic organisms. 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 OR CHEMICAL HAZARD**

**STRONG OXIDIZING AGENT.** Contact with water slowly liberates irritating and hazardous chlorine and bromine containing gases. Decomposes at temperatures above 464°F with liberation of harmful gases. When ignited, will burn with the evolution of chlorine and equally toxic gases.

**NEVER** add water to product. Always add product to large quantities of 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 material, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion.

#### **IN CASE OF FIRE OR SMOKE:**

Call the fire department. Do not attempt to extinguish the fire without self contained breathing apparatus (SCBA). Do not let the fire burn. **Flood with copious amounts of water. DO NOT** use ABC or other dry chemical extinguishers since there is the potential for a violent reaction.

**IN CASE OF CONTAMINATION OR DECOMPOSITION: DO NOT** reseal container. Follow disposal instructions on label.

## DIRECTIONS FOR USE

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

### **SPAS DISINFECTION**

This product is intended for use in controlling bacteria in spas. It is also highly effective in controlling and destroying algae in outdoor spas. This product should be added directly to the surface of the circulating water according to the directions.

**Start up** - Before using this product, make sure that the filtration system is clean and operating properly. Adjust the pH of the water to the range of 7.2-7.8 and the alkalinity of the water to 80 - 120 (mg/L), using suitable products and reliable test kits. For bather safety, it is not recommended that water temperatures exceed 104°F (40°C).

Add a sufficient amount of this product directly to the surface of the circulating water to raise the free chlorine level in the water to 5 - 6 ppm (mg/L), based on suitable chlorine or bromine test kit readings. The addition of one ounce of this product per 1,000 gallons (0.75 grams per 100 liters) of water will increase the available chlorine by 5 ppm (mg/L).

**Shock treatment** - After each use, the water should be superchlorinated or shocked. Add a sufficient amount of this product directly to the surface of circulating water to raise the available chlorine level to 5 - 6 ppm (mg/L), based on test kit readings. The addition of one ounce of this product per 1,000 gallons (0.75 grams per 100 liters) of water will increase the available chlorine by 5 ppm (mg/L). If the combined chlorine reading is not below 0.5 ppm (mg/L) and the water has not been restored to its normal clarity, repeat the shock treatment described above. *Combined* chlorine is the difference between *total* and *free* chlorine, as measured by a suitable test kit.

**Maintenance treatment** - Add this product daily or as needed to maintain the free available chlorine level in the water at 3 - 5 ppm (mg/L) as indicated by a suitable test kit. The addition of 0.5 ounce of this product per 1,000 gallons of water (0.38 grams per 100 liters) will increase the available chlorine by 2.5 ppm (mg/L). Weather and usage effect sanitizer levels. In addition, some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of this product. Maintain the pH at 7.2-7.8 and the alkalinity at 80 - 120 ppm (mg/L).

When the total dissolved solid (TDS) reaches 3000 ppm (mg/L) or whenever the water becomes difficult to manage, the water should be drained and the spa thoroughly cleaned before adding fresh water.

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## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Keep container tightly closed. Store in a cool, dry area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. The preferred disposal methods are incineration or chemical treatment in accordance with Federal, State and Local regulations.

Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction and fire. DO NOT transport wet or damp material.

### CONTAINER DISPOSAL:

BULK BIN: Return empty bulk bin for reuse. Do not vacuum, wash, or clean inside of bin.

PLASTIC BULK BAG: Completely empty bag into application equipment. Remove and triple rinse polyethylene liner. Dispose of empty bag and liner in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Do not reuse bag.

FIBER DRUM: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Remove and triple rinse polyethylene liner. Then dispose of liner in a sanitary landfill or by incineration as allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

PLASTIC DRUM: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

HOUSEHOLD CONTAINERS: Do not reuse container. Rinse thoroughly before discarding in trash.