

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN 26 1994

Mr. Bernard K. Zysman
Occidental Chemical Corporation
P. O. Box 344
Niagara Falls, NY 14302

Dear Mr. Zysman:

Subject: Crystal Pure 90M Sanitizer Three Inch Tablets
EPA Registration No. 935-76
Your Amendment Dated July 15, 1993

This is in response to your amendment of revised labeling to correct product name in the "Direction For Use" section.

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable, subject to the following comments.

1. Delete the statement "will burn with the evolution of chlorine and equally toxic gases" from the Practical Treatment section.
2. Revise Practical Treatment statement to read:
"If swallowed, drink large amounts of water. Do not induce vomiting. Call a physician or poison control center immediately,".
3. Replace the text of the Environmental Hazards section with the following:

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 this product is specifically identified and addressed in an NPDES permit. 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.

Following the sentence, "This pesticide is toxic to fish and aquatic organisms, "you may instead use the text indicated in PR Notice 93-10 (copy enclosed), since that text will be required as indicated in that Notice.

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

The certificate with respect to child resistant packaging has been noted and included in the product file for this registration.

If you have any questions about these comments. please call Marianne Clark at (703) 305-7879.

Sincerely yours,



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

PRECAUTIONARY STATEMENTS

**HAZARD TO HUMANS and DOMESTIC ANIMALS
DANGER!**

CORROSIVE, CAUSES EYE AND SKIN DAMAGE, IRRITATES TO NOSE AND THROAT, HARMFUL OR FATAL IF SWALLOWED. WILL BURN WITH THE EVOLUTION OF CHLORINE AND SMALLLY TOXIC GASES.
Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing dust or fumes. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARD

This product is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with NPDES Permit. For guidance, contact the regional office of EPA.

PHYSICAL or CHEMICAL HAZARD

OXIDIZING LIQUID AGENT. WILL BURN WITH THE EVOLUTION OF CHLORINE AND SMALLLY TOXIC GASES. CONTACT WITH WATER SLOWLY LIBERATES IRRITATING AND HAZARDOUS CHLORINE CONTAINING GASES. DECOMPOSES AT 400 F. to 400 F. WITH LIBERATION OF HARMFUL GASES.

Use only with water. Use clean dry vessels. **DO NOT ADD THIS PRODUCT TO ANY SPRINKLER DEVICE CONTAINING RESIDUES OF ANY OTHER PRODUCT.** Such use may cause a violent reaction leading to fire or explosion. Consumption with moisture, organic matter, or other chemicals may cause a violent reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion.

IN CASE OF FIRE: If possible contain container in open air or well ventilated area. Flood with large volume of water.

IN CASE OF CONTACT FROM SKIN OR CLOTHING: Do not reuse container.

DIRECTIONS for USE

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

FOR CONTROL OF BACTERIA AND ALGAE IN POOLS, SPAS AND HOT TUBS

STARTUP: To start up a new pool, spa or hot tub or one that has been refilled, clean all surfaces and the filter and balance the total alkalinity at 125-175 ppm. Treat the water for iron, copper and manganese if present and adjust the pH to 7.5-8.0. Then add an EPA registered source of sodium bromide to provide an initial concentration of 5-10 ppm bromine ion. Follow the directions and precautions on the label for the registered sodium bromide product. As a guide, using a Testmaster Grade of registered source of sodium bromide at 80% purity, it requires 0.5-1 ounce per 100 gallons for spas or hot tubs and 0.5 to 1 lb per 10,000 gallons for swimming pools to provide 5-10 ppm bromine ion. The sodium bromide contains its available bromine in the water until the addition of CRYSTAL PURE 90M SANITIZER. Three Inch Tablets which cause bromine to be released. Place the CRYSTAL PURE 90M SANITIZER, Three Inch Tablets in a suitable feeder or feeder. Adjust the feeder according to the manufacturer's directions to obtain an average bromine level of 2-6 ppm using a bromine test kit for 1-3 ppm available chlorine using a chlorine test kit.

MAINTENANCE: The best results are usually obtained if the bromine levels, pH and total alkalinity are maintained as prescribed in Startup instructions. Test bromine level frequently. If the bromine level is below the prescribed level, adjust feeder to increase tablet dissolution rate to maintain 2-6 ppm available bromine (1-3 ppm available chlorine). If the bromine (or chlorine) levels are above the prescribed levels adjust the feeder to decrease the tablet dissolution rate to maintain 2-6 ppm available bromine (1-3 ppm available chlorine). Also use the levels deep to the prescribed levels before using the pool, spa or hot tub. Add tablets to feeder as necessary.

SHOCK TREATMENT: Water suitable, non-flammable wastes can accumulate in the water of pools, spas or hot tubs and cause dull or cloudy water and stimulate algae growth. For Shock Treatment, use CRYSTAL PURE 90M Sanitizer. Contains EPA Reg. No. 625-74 to establish the required levels of 10-20 ppm active bromine (5-10 ppm active chlorine). Follow the recommended dosage on the Directions for Use on the label for this product.

STORAGE and DISPOSAL

STORAGE: Keep container tightly closed. Store in a dry place. **DO NOT ALLOW WATER TO GET INTO CONTAINER.** Keep container off wet floor.

HAZARDOUS DISPOSAL: Do not contaminate water, land or land by storage or disposal. Potentially toxic and highly flammable. Dispose of excess product, empty container, or debris in a violation of Federal law. If these wastes cannot be disposed of by any means according to local, state, or federal laws, contact your State, Provincial or Environmental Control Agency, or the Hazardous Waste representative of the regional EPA Regional office for guidance. Clean equipment and other wastes of equipment wash water in a manner to avoid contamination of water resources.

CONTAINER DISPOSAL: Completely empty pool by shaking and tapping sides and bottom to loosen clinging particles. Place empty container with water and dispose of in a sanitary landfill or by incineration if allowed by state and local authorities.

OxyChem.



Three Inch Tablets

**CRYSTAL PURE™
90M Sanitizer**

ACTIVE INGREDIENTS:

Trichloro-s-triazinetriene.....	92%
Sodium bromide.....	7%
INERT INGREDIENTS.....	1%
	100%

Contains 83% available Chlorine

Provides 187% available Bromine with continued use in accordance with the DIRECTIONS FOR USE.

CRYSTAL PURE 90M SANITIZER, Three Inch Tablets can be used in many feeders to treat pools, spas and hot tubs continuously. When used as directed, CRYSTAL PURE 90M SANITIZER, Three Inch Tablets will disinfect the water, keeping it clear, clear and free of odor. CRYSTAL PURE gives the effectiveness of chlorine without the chlorine odor.

KEEP OUT OF REACH OF CHILDREN

DANGER!

STATEMENT of PRACTICAL TREATMENT (FIRST AID)

IF SWALLOWED, drink promptly a large quantity of water. **DO NOT** induce vomiting. **NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Avoid alcohol. Get medical attention.

IF IN EYES, flush with plenty of water for at least 15 minutes. Get medical attention.

IF ON SKIN, immediately brush off excess chemical and flush with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. Get medical attention if irritation persists.

IF INHALED, remove to fresh air. Get medical attention.

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

See side panel for DIRECTIONS FOR USE

Lot No. _____

Net Wt. _____

Occidental Chemical
Basic Chemicals Group
Dallas, Texas 75380
214-404-3800

24 Hour Emergency Phone: _____

**ACCEPTED
(with COMMENTS)
by EPA Letter Dated**

JAN 26 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the protection registered under FPA Reg. No. _____

935-76

BEST AVAILABLE COPY