

MAR 26 1991

Mr. James E. Downes
Monsanto Chemical Company
800 North Lindbergh Boulevard
St. Louis, MO 63167

Dear Mr. Downes:

Subject: Revised Active Ingredient Declaration
Towerbrom 90N, One Inch Tablets
EPA Registration No. 524-394
Towerbrom 90N, Three Inch Tablets
EPA Registration No. 524-410
Towerbrom 60N Granules
EPA Registration No. 524-395
Crystal Pure 90N Sanitizer, One Inch Tablets
EPA Registration No. 524-402
Crystal Pure 90N Sanitizer, Three Inch Tablets
EPA Registration No. 524-411
Crystal Pure 60N Sanitizer Granules
EPA Registration No. 524-404
Your Resubmission Dated January 31, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. Stamped copies are enclosed for your records. Submit five copies of the final printed label.

Sincerely yours,



Walter C. Francis
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

Pringle 3-21

56613:I:Pringle:L32-11:KEVRIC:03/14/91:04/12/91:aw:WO:DD:CL
R:56621:Pringle:L32-11:KEVRIC:03/19/91:04/19/91:aw:WO:DD:aw

CRYSTAL PURE 60M SANITIZER GRANULES

ACTIVE INGREDIENTS:

SODIUM DICHORO-S-TRIAZINETRIONE

89%

SODIUM BROMIDE

7%

INERT INGREDIENTS

4%

100%

~~Contains A~~ Guaranteed Minimum of 57% Available Chlorine
Provides 12% Available Bromine with Continued Use in Accordance
With the Directions for Use

CRYSTAL PURE 60M SANITIZER GRANULES can be used to treat pools, spas and hot tubs. When used as directed, CRYSTAL PURE 60M SANITIZER GRANULES will disinfect the water, keeping it clean, clear and free of odor. CRYSTAL PURE gives the effectiveness of chlorine without the chlorine odor.

KEEP OUT OF REACH OF CHILDREN
D A N G E R !

FIRST AID (PRACTICAL TREATMENT)

IF SWALLOWED, promptly drink 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 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 person to fresh air. Get medical attention.

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

See side panel for DIRECTIONS FOR USE.

EPA Reg. No. 524-404
EPA Est. No. 39841-MO-1

Manufactured for Monsanto Company
St. Louis, MO 63167
Rev. 12/20/90

Net Contents: ___ lbs. (___ kgs)

ACCEPTED
WITH COMMENTS
In EPA Letter Dated:

MAR 26 1991

524-404

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

D A N G E R !

CORROSIVE. CAUSES EYE AND SKIN DAMAGE. IRRITATING TO NOSE AND THROAT. HARMFUL OR FATAL IF SWALLOWED. WILL BURN WITH THE EVOLUTION OF CHLORINE AND EQUALLY 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 waters unless in accordance with NPDES Permit. For guidance, contact the regional office of EPA.

PHYSICAL OR CHEMICAL HAZARD

STRONG OXIDIZING AGENT. WILL BURN WITH THE EVOLUTION OF CHLORINE AND EQUALLY TOXIC GASES. CONTACT WITH WATER SLOWLY LIBERATES IRRITATING AND HAZARDOUS CHLORINE-CONTAINING GASES. DECOMPOSES AT 460°F TO 480°F WITH LIBERATION OF HARMFUL GASES.

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: FIRE, if possible isolate container in open air or well ventilated area. Flood with large volume of water.

IN CASE OF: CONTAMINATION OR DECOMPOSITION, do not reseal 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 7.5-8.2. Then add an EPA registered source of Sodium Bromide to provide an initial concentration of 5-10 ppm bromide ion. Follow the directions and precautions on the label for the registered Sodium Bromide product. As a guide, using a Technical Grade of registered source of sodium bromide at 95% purity, it requires 0.5-1 ounce per 100 gallons for spas or hot tubs and 0.5 to 1.0 lbs. per 10,000 gallons for swimming pools to provide 5-10 ppm bromide ion. The sodium bromide remains as a stable reserve in the water until the addition of CRYSTAL PURE 60M SANITIZER GRANULES to the water which cause the bromine to be released. Add the CRYSTAL PURE 60M SANITIZER GRANULES to the water to obtain an active bromine level of 2-6 ppm using a bromine test kit, (or 1-3 ppm active chlorine using a chlorine test kit). For pools, add approximately 1/2 cup (4 oz.) of CRYSTAL PURE 60M SANITIZER GRANULES per 10,000 gallons of water. For spas and hot tubs, add approximately 1/2 teaspoon of CRYSTAL PURE 60M SANITIZER GRANULES per 100 gallons of water.

MAINTENANCE: The best results are usually obtained if the bromine levels, pH and total alkalinity are maintained as prescribed in the Startup Instructions. Test bromine level frequently. If bromine level is below the prescribed levels add CRYSTAL PURE 60M SANITIZER GRANULES in small amounts as necessary to maintain 2-6 ppm active bromine (1-3 ppm active chlorine) at all times, as determined by a suitable test kit. If the levels of bromine (or chlorine) are above these limits, wait until they drop to the prescribed levels before using the pool, spa, or hot tub.

SHOCK TREATMENT: Water soluble, non-filterable wastes can accumulate in the water of pools, spas or hot tubs and cause dull or cloudy water and stimulate algae growth. CRYSTAL PURE 60M SANITIZER GRANULES should be used to shock treat on a regular basis (about every two weeks) to destroy the waste and make the water sparkling clean and clear. Add CRYSTAL PURE 60M SANITIZER GRANULES at the rates of 1/2 to 1 teaspoon per 100 gallons for spas or hot tubs, or 1.5 cups (12 ounces) to 3 cups (24 ounces) per 10,000 gallons for pools. These dosages are equivalent to 10-20 ppm active bromine (5-10 ppm active chlorine). Wait until the level of bromine drops to 6 ppm or less (chlorine 3 ppm) before using the pool, spa, or hot tub.

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 floors.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. 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. Clean equipment and/or dispose of equipment wash water in a manner to avoid contamination of water resources.

For Household Containers: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL:

For Plastic Pail: Completely empty pail by shaking and tapping sides and bottom to loosen clinging particles. Rinse empty container with water, and dispose of it in a sanitary landfill or by incineration if allowed by state and local authorities.

For Fibre Drums: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. Rinse empty container with water and dispose of it in the same manner.

For Household Containers: Do not reuse container. Rinse thoroughly before discarding in trash.