

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 90M, One Inch Tablets  
EPA Registration No. 524-394  
Towerbrom 90M, Three Inch Tablets  
EPA Registration No. 524-410  
Towerbrom 60M Granules  
EPA Registration No. 524-395  
Crystal Pure 90M Sanitizer, One Inch Tablets  
EPA Registration No. 524-402  
Crystal Pure 90M Sanitizer, Three Inch Tablets  
EPA Registration No. 524-411  
Crystal Pure 60M 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,  
*WCF*

Walter C. Francis  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (R7505C)

Enclosures

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

CONCURRENCES

SYMBOL	<i>H-732A</i>						
SURNAME	<i>Pringle</i>						
DATE	<i>3-20</i>						

PM 31 524-394

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**TOWERBROM 90M  
ONE INCH TABLETS**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

**MAR 26 1991**

Under the Federal Insecticide,  
Fungicide and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No. 524-394  
7%  
1%  
100%

**ACTIVE INGREDIENTS:**  
**TRICHLORO-S-TRIAZINETRIONE**  
**SODIUM BROMIDE**  
**INERT INGREDIENTS**

**Contains A Guaranteed Minimum of 83% Available Chlorine  
Provides 187% Available Bromine with Continued Use in Accordance  
With the Directions for Use**

**TOWERBROM 90M is a high performance bromine microbicide. When used as directed, Towerbrom 90M One Inch Tablets will control organic slimes of algae, bacteria and fungi in recirculation water of condensing and cooling equipment.**

**See side panel for DIRECTIONS FOR USE.**

**KEEP OUT OF REACH OF CHILDREN  
DANGER!**

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**FIRST AID (PRACTICAL TREATMENT)**

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**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.**

**EPA Reg. No. 524-394    Manufactured for Monsanto Company  
EPA Est. No.            St. Louis, MO 63167  
Rev. 12/20/90  
Net Contents: \_\_\_ lbs. (\_\_\_ kgs)**

## PRECAUTIONARY STATEMENTS

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### HAZARD TO HUMANS AND DOMESTIC ANIMALS

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#### **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.**

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### ENVIRONMENTAL HAZARD

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**This pesticide is toxic to fish. 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 into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.**

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### PHYSICAL OR CHEMICAL HAZARD

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**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.**

4045

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**DIRECTIONS FOR USE:**

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

**RECIRCULATING COOLING WATER SYSTEMS**

**TOWERBROM 90M One Inch Tablets** aid in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, ornamental fountains, influent systems such as flow through filters, lagoons, industrial water scrubbing systems and cooling systems for brewery pasteurizers. This product may be added to the system continuously or intermittently as needed with a wide variety of tablet dissolving devices (feeders, bags, buckets, etc.) or by the direct placement of the tablets into the water at a point where the dissolved tablets will be uniformly mixed. The frequency of feeding and duration of the treatment will depend on the severity of the contamination. Badly fouled systems must be cleaned before treatment is begun.

**FOR CONTROL OF BACTERIA, FUNGI AND ALGAE**

**Intermittent or Slug Method**

**INITIAL DOSE:** When the system is noticeably fouled, add **TOWERBROM 90M One Inch Tablets** at the rate of 0.5 to 1.0 pounds (15-30 tablets) per 1000 gallons of water (60-120 ppm) in the system to achieve 1-5 ppm total residual halogen as chlorine, as measured by a suitable test kit. Repeat dosage until residual is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add **TOWERBROM 90M One Inch Tablets** at the rate of 0.1 to 0.5 pounds (3-15 tablets) per 1000 gallons of water (12-60 ppm) in the system to achieve 1 ppm total residual halogen as chlorine, as determined by a suitable test kit. Repeat dosage until residual is achieved.

**Continuous Feed Method**

**INITIAL DOSE:** When the system is noticeably fouled, add **TOWERBROM 90M One Inch Tablets** at the rate of 0.5 to 1.0 pounds (15-30 tablets) per 1000 gallons of water (60-120 ppm) in the system to achieve 1-5 ppm total residual halogen as chlorine, as measured by a suitable test kit. Repeat dosage until residual is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add **TOWERBROM 90M One Inch Tablets** at the rate of .1 to 0.5 pounds (3-15 tablets) per 1000 gallons of water (12-60) ppm in the system to achieve 1 ppm total residual halogen as chlorine, as determined by a suitable test kit. Repeat dosage until residual is achieved.

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## STORAGE AND DISPOSAL

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**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.

### **CONTAINER DISPOSAL:**

**For Plastic Pail** 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.

**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. Dispose of drum in same manner.