

911-0 935-71 1000

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. Charles L. Tramel
Occidental Chemical Corporation
Development Center, V-81
P.O. Box 344
Niagara Falls, NY 14302

JUL 7 1993

Dear Mr. Tramel:

Subject: Towerbrom 60M Granules
EPA Registration No. 935-71
Your Submission Dated March 11, 1992

Your submission of revised revised product labeling (to include disposal instructions for metal bins) for the subject product has completed review. The comments below apply.

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

- Remove the exclamation point after the Human Hazard Signal Word "Danger" on the front panel and in the Precautionary Statements.

A stamped copy of the labeling is enclosed for your records. Five copies of the final printed labels must be submitted for our records.

If you have any questions about these comments, please call Bill Wooge at (703) 305-5295.

Sincerely yours,



Ruth G. Douglas
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7504C)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 7 1993

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

935-71

89%
7%
4%
100%

TOWERBROM 60M GRANULES

ACTIVE INGREDIENTS:

SODIUM DICHLORO-S-TRIAZINETRIONE

SODIUM BROMIDE

INERT INGREDIENTS

**Contains 57% Available Chlorine
Provides 128% Available Bromine With Continued Use In
Accordance With the Directions for Use**

TOWERBROM 60M is a high performance bromine microbicide. When used as directed, TOWERBROM 60M GRANULES will aid in the control of 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!**

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.

**EPA Reg. No. 524-395
EPA Est. No.**

**Manufactured for Monsanto Company
St. Louis, MO 63167
Rev. 3/10/92**

Net Contents: _ lbs. (_ kgs)

BEST AVAILABLE COPY

11 7 1991

PRECAUTIONARY STATEMENTS

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

935-71

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER!

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, 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.

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.

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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935-71

DIRECTIONS FOR USE:

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

RECIRCULATING COOLING WATER SYSTEMS

TOWERBROM 60M GRANULES 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 by the direct placement of the granules into the water at a point where the dissolved granules 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 60M GRANULES** at the rate of 0.7-1.5 pounds per 1000 gallons of water 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 60M GRANULES** at the rate of 0.2 to 0.7 pounds per 1000 gallons of water 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 60M GRANULES** at the rate of 0.7 to 1.5 pounds per 1000 gallons of water 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 60M GRANULES** at the rate of 0.2 to 0.7 pounds per 1000 gallons of water 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

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.

For Returnable Metal Bins Return empty bin for reuse.

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