

524-410 PM32 1785

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-7-7)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
524-410

DATE OF ISSUANCE
FEB 17 1980

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
TOWARDOM 90H Tablets, 3"

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Monsanto Company
800 North Lindbergh Boulevard
St. Louis, MO 63167

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit/obtain all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 524-410."
 - b. The words "Active Ingredients" in the ingredient statement should be in plural.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

ATTACHMENT IS APPLICABLE

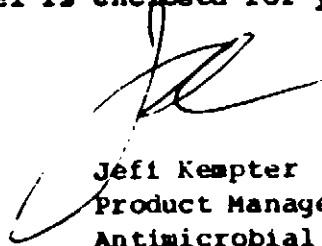
SIGNATURE OF APPROVING OFFICIAL

DATE

Pringle 2/14

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



Jeff Kempter
Product Manager (32)
Antimicrobial Program Branch
Registration Division (TS-767C)

Enclosures

TOWERBROM 90M TABLETS
Three Inch Tablets
BROMINE GENERATING TABLETS

ACTIVE INGREDIENT:

TRICHLORO-S-TRIAZINETRIONE	95%
SODIUM BROMIDE	4%
INERT INGREDIENTS	1%
	<u>100%</u>

Contains 86% available Chlorine

Provides 194% available Bromine with continued use in accordance with the Directions for Use

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 17 1989

KEEP OUT OF REACH OF CHILDREN
DANGER!

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

STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

524-410

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 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.

TOWERBROM 90 M TABLETS, Three Inch Tablets consist of two active ingredients. When dissolved in water, the tablets release hypochlorous acid which reacts with sodium bromide contained in the tablets to produce hypobromous acid. Hypobromous acid produced from TOWERBROM 90 TABLETS, Three Inch Tablets is a disinfectant which will control organic slimes of algae, bacteria and fungi in recirculation water of condensing and cooling equipment.

See side panel for DIRECTIONS FOR USE.

EPA Est. No. 524
EPA Reg. No. 524

Manufactured for Monsanto Company
St. Louis, Missouri 63167

Rev. 9/26/88

Net Contents: ___ lbs. (___ kgs)

(PRECAUTIONARY STATEMENTS (

4-65

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 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.

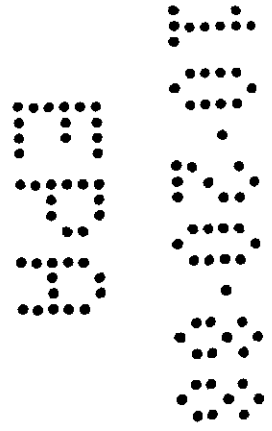
Physical or Chemical Hazard

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 400°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 ALGAE, BACTERIA AND FUNGI
IN RECIRCULATING WATER SYSTEMS
SUCH AS COOLING TOWERS & EVAPORATIVE CONDENSERS

A suitable feeder should be used to dissolve the TOWERBROM 90M TABLETS Three Inch Tablets.

STARTUP:

1. Measure, adjust and maintain the cooling water pH at 7.5 or above.
2. FOR SHOCK TREATMENT AT START-UP OR WHEN SYSTEM IS NOTICEABLY FOULED with organic matter or algal growth, add 1 lb. of TOWERCHLOR 60 GRANULES (EPA Reg.No. 524-389) per 10,000 gallons of water or an equivalent amount of chlorine from an EPA registered product providing only available chlorine. Repeat as required until observation shows control of organic matter and algal growth is achieved. After that, revert to maintenance dosage described below.
3. At start-up or when TOWERBROM 90M TABLETS, Three Inch Tablets are first used, sodium bromide (NaBr) from an EPA registered product containing sodium bromide may be added to the recirculating water, in accordance with directions on the label to produce an initial concentration of 5 to 10 ppm bromide ion as determined by a suitable test kit. This 5 to 10 ppm bromide ion is equivalent to 0.5-1.0 lbs. of contained sodium bromide per 10,000 gallons of water.

MAINTENANCE DOSAGE: For routine maintenance, apply sufficient TOWERBROM 90M TABLETS, Three Inch Tablets in the circulating water at a point in the system where maximum mixing will occur so that measurements in the circulating water show a residual of 0.6-1.0 ppm available chlorine is present (1.0-2.0 ppm available bromine) as determined by a suitable test kit.

The disinfectant in the circulating water will be hypobromous acid when TOWERBROM 90M TABLETS, Three Inch Tablets are used. This halogen form can be measured with a test kit intended for chlorine or one intended for bromine measurement. The operating range is 0.6-1.0 ppm available chlorine when using a chlorine test kit and about 1.0-2.0 ppm available bromine when using a bromine test kit.

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 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. Clean equipment and/or dispose of equipment wash water in a manner to avoid contamination of water resources.

CONTAINER DISPOSAL: For Metal & Plastic Pail Completely empty liner 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.