

935-71

05/19/2010

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Corrected copy



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Joel S. Schwartz
Regulatory Manager
OxyChem
520 Monsanto Avenue
Sauget, IL 62206

MAY 19 2010

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Subject: Towerbrom® 60M Granules
EPA Reg. No. 935-71
Application Dated: March 15, 2010
Receipt Date: April 20, 2010

Dear Mr. Schwartz:

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9 is acceptable.

Proposed Notification:

- Revised Container Disposal section per PR Notice 2007-4

Comments:

Based on a review of the material submitted, the following comments apply:

1. For the 'plastic container' section, you must add the appropriate triple rinse residue removal instructions based on your product's formulation and container type.

This application for notification to revise the container disposal section, as referenced above, is acceptable. A copy has been placed in our records for future reference.

Should you have any questions concerning this letter, please contact me at Henson.Wanda@epa.gov or call (703) 308-6345.

Sincerely,

A handwritten signature in black ink, appearing to read "Wanda Henson".

Wanda Henson
Acting Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)





Joel S. Schwartz
Regulatory Manager
ACL® Isocyanurates

March 15, 2010

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
United States Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Re: Towerbrom® 60M Granules
EPA Reg. No. 935-71

Dear Sir:

Please process the enclosed notification for the above referenced product. The purpose of this notification is to add language required by the Pesticide Container Rule under Storage and Disposal per PR Notice 2007-4.

Enclosed you will find:

- *Application for Pesticide*, EPA Form 8570-1;
- Notification Certification Statement; and
- Proposed label with changes marked.

Should you have questions regarding this registration notification application, please give me a call at the number indicated below or you may email me at jsschw@solutia.com.

Sincerely,

Joel S. Schwartz

Enclosures



Occidental Chemical Corporation

A subsidiary of Occidental Petroleum Corporation
520 Monsanto Avenue
Sauget, IL 62206
618-482-6447



Notification Certification

EPA Registration No.:	935-71
Product Name:	Towerbrom® 60M Granules
Company:	Occidental Chemical Corporation 520 Monsanto Avenue Sauget, IL 62206

“Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA’s regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirement of 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.”

Signature Joel S. Schrag

Date: March 15, 2010

Printed Name: Joel S. Schwartz
Title: Regulatory Manager

{All text in brackets [xxx] is optional and may or may not be included on a final label.
 {All text in braces {xxx} is administrative and will not appear on a final label.}

OxyChem® Towerbrom® 60M Granules

ACTIVE INGREDIENT:

Sodium Dichloro-s-triazinetriene.....	90 %
Sodium Bromide.....	7 %
OTHER INGREDIENTS.....	3 %
TOTAL.....	100 %

Provides 57% Available Chlorine
 Provides 128% Available Bromine

NOTIFICATION
 Date Reviewed: 5/19/2018
 Reviewed By: [Signature]

This product is a high performance bromine microbiocide which aids in the control of organic slimes of algae, bacteria and fungi when used in accordance with the Directions for Use.

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-733-3665 for 24 hour emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

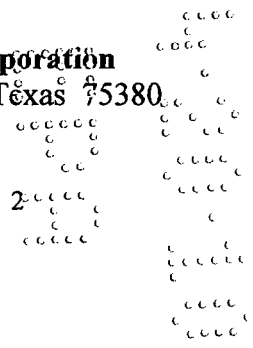
See side panel for **DIRECTIONS FOR USE.**

EPA Reg. No. 935-71
 EPA Est. No. 58401-IL-1

Occidental Chemical Corporation
 P.O. Box 809050; Dallas, Texas 75380
 972-404-3800

HMIS Rating System: Health 3 Flammability 0 Reactivity 2

Net Wt. ____ lbs. / ____ kg.
 Lot No. _____



PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE: Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARD

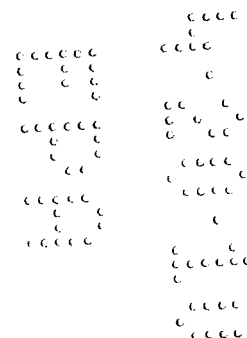
STRONG OXIDIZING AGENT. Contact with water slowly liberates irritating and hazardous chlorine and bromine containing gases. Decomposes at temperatures above 464°F with liberation of harmful gases. When ignited, will burn with the evolution of chlorine and equally toxic gases.

NEVER add water to product. Always add product to large quantities of 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 material, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion. **DO NOT** add this product to a tablet feeder. Use a pot or shock feeder for granules only if high water flow rates can be assured. Mixtures of this product with 10-50% water in a confined space may result in destructive over pressurization.

IN CASE OF FIRE OR SMOKE:

Call the fire department. Do not attempt to extinguish the fire without a self contained breathing apparatus (SCBA). Do not let the fire burn. **Flood with copious amounts of water. DO NOT** use ABC or other dry chemical extinguishers since there is the potential for a violent reaction.

IN CASE OF CONTAMINATION OR DECOMPOSITION: DO NOT reseal container. Follow disposal instructions on label.



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, FUNGI AND ALGAE IN RECIRCULATING WATER SYSTEMS, SEWAGE WASTEWATER SYSTEMS, PULP AND PAPER MILL WATER SYSTEMS AND ONCE-THROUGH WATER SYSTEMS

FOR RECIRCULATING WATER SYSTEMS

This product is intended for use in the following aquatic sites: Air Washer Water Systems, Commercial/Industrial Water Cooling Systems, Evaporative Condenser Water Systems, Ornamental Ponds and Aquaria, Heat Exchange Water Systems, Lakes/Ponds/Reservoirs (Without Human or Wildlife Use), Industrial Scrubbing Systems, Industrial Auxiliary Water Systems, Industrial Process Water, Industrial Waste Disposal Systems, Pasteurizer/Warmer/Cannery Cooling Water Systems.

This product may be added to the system by direct placement into the water at a point where the product will be uniformly mixed with water. 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 begins.

Intermittent or slug method

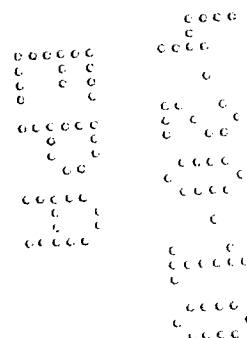
Initial Dose: When the system is noticeably fouled, add this product at the rate of 0.15 to 0.75 pounds per 1000 gallons (18 to 90 grams per 1000 liters) in the system to achieve 0.5-10 mg/L total available halogen as chlorine, as measured by a suitable test kit. Repeat dosage until residual is achieved.

Subsequent Dose: When microbial control is evident, add this product at the rate of 0.03 to 0.15 pounds per 1000 gallons (3.6 to 18 grams per 1000 liters) in the system to achieve 0.5-1 mg/L total available halogen as chlorine, as measured by a suitable test kit. Repeat periodically as needed to maintain control.

Continuous feed method

Initial Dose: When the system is noticeably fouled, add this product at the rate of 0.15 to 0.75 pounds per 1000 gallons (18 to 90 grams per 1000 liters) in the system to achieve 0.5-10 mg/L total available halogen as chlorine, as measured by a suitable test kit. Repeat dosage until residual is achieved.

Subsequent Dose: When microbial control is evident, add this product at the rate of 0.03 to 0.15 pounds per day per 1000 gallons (3.6 to 18 grams per day per 1000 liters) in the system to maintain 0.5-1 mg/L total available halogen as chlorine, as measured by a suitable test kit.



FOR SEWAGE WASTEWATER SYSTEMS

This product is intended for use in sewage wastewater systems. This product provides rapid disinfection of primary, secondary and tertiary wastewater treatment systems.

Dose Rate: Add this product at the rate of 0.03 to 0.75 pounds per 1000 gallons (3.6 to 90 grams per 1000 liters) in the system to achieve 0.2-3 mg/L total available halogen as chlorine, as measured by a suitable test kit, at the injection point in the disinfection contact chamber. Adjust the dosage to achieve disinfection and minimize the halogen concentration at the exit of the contact chamber.

FOR PULP AND PAPER MILL WATER SYSTEMS

This product is intended for use in pulp and paper mill water systems.

Initial Dose: When the system is noticeably fouled, add this product at the rate of 0.06 to 3.0 pounds per ton (0.03 to 1.5 kg. per metric ton) of dry pulp or paper produced to achieve 0.1-5 mg/L total available halogen as chlorine, as measured by a suitable test kit, in the water treated. Repeat dosage until residual is achieved.

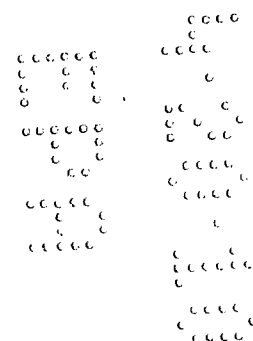
Subsequent Dose: When microbial control is evident, add this product at the rate of 0.06 to 2.0 pounds per ton (0.03 to 1.0 kg. per metric ton) of dry pulp or paper produced to achieve 0.1-5 mg/L total available halogen as chlorine, as measured by a suitable test kit, in the water treated. Repeat periodically as needed to maintain control.

FOR ONCE-THROUGH WATER SYSTEMS

This product is intended for use in open or closed cycle, fresh or salt water, once-through cooling systems.

Initial Dose: When the system is noticeably fouled, add this product at the rate of 0.03 to 0.75 pounds per 1000 gallons (3.6 to 90 grams per 1000 liters) of water treated to achieve 0.2-10 mg/L total available halogen as chlorine, as measured by a suitable test kit, in the water treated. Repeat dosage until residual is achieved.

Subsequent Dose: When microbial control is evident, add this product at the rate of 0.03 to 0.15 pounds per 1000 gallons (3.6 to 18 grams per 1000 liters) of water treated to achieve 0.2-5 mg/L total available halogen as chlorine, as measured by a suitable test kit, in the water treated. Repeat periodically as needed to maintain control.



Towerbrom 60M Granules is a preservative which effectively inhibits the growth of microorganisms in aqueous systems, including paints, emulsions, adhesives, pigment dispersions and joint compounds.

Typical Use Levels - Laboratory testing shows the product to be effective in the range of 0.0125% - 0.4% (125ppm - 4,000ppm). These ranges are based on the total formulation weight. The exact amount of any given formulation will depend on components, storage time, etc.; and can be determined by actual testing.

Recommended Use Levels

Paints - The following concentrations must be used to inhibit in-can microbiological degradation of water based paint systems. The concentrations are based on the total paint formulation weight and should be incorporated into the make-up water during the grind.

<u>Interior Paint Type</u>	<u>Percent Concentration</u>
Vinyl Acrylic	0.05% - 0.2%
Acrylic	0.05% - 0.2%
PVA	0.05% - 0.2%

Emulsions - The following concentrations must be used to inhibit in-can microbiological degradation of water based emulsion systems. The concentrations are based on the total emulsion formulation weight and should be added using moderate agitation immediately following the cool-down of the emulsions and prior to pumping to storage tanks.

<u>Emulsion Type</u>	<u>Percent Concentration</u>
Vinyl Acetate	0.0125% - 0.4%
Vinyl Acrylic	0.0125% - 0.4%
100% Acrylic	0.0125% - 0.4%

Adhesives - The following concentrations must be used to inhibit in-can microbiological degradation of water based adhesive systems. The concentrations are based on the total adhesive formulation weight and should be incorporated with agitation to the make-up water; however, where the adhesive is heated, the product should be added during the cool-down cycle.

<u>Adhesive Type</u>	<u>Percent Concentration</u>
Clay based	0.0125% - 0.4%
Starch based	0.0125% - 0.4%
Dextrin	0.0125% - 0.4%
Casein	0.0125% - 0.4%
Polyvinyl	0.0125% - 0.4%
Acrylic	0.0125% - 0.4%

Pigment Dispersions - The following concentrations must be used to inhibit in-can microbiological degradation of water based dispersion pigment systems. The concentrations are based on the total dispersion pigment formulation weight and should be added using moderate agitation immediately following the cool-down of the dispersion pigment and prior to pumping to storage tanks.

<u>Pigment Type</u>	<u>Percent Concentration</u>
TiO2	0.025% - 0.4%
CaCO3	0.05% - 0.4%
Clay	0.05% - 0.4%

Joint Compounds - The following concentrations must be used to inhibit in-can microbiological degradation of water based joint compound systems. The concentrations are based on the total joint compound formulation weight and should be added with agitation to the make-up water blend at 0.025% - 0.4%.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Keep material dry and in a dry area. Store in original container where temperatures do not exceed 125°F (52°C) for 24 hours. Keep container tightly closed.

PESTICIDE 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. The preferred disposal methods are incineration or chemical treatment in accordance with Federal, State and Local regulations.

Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction and fire. DO NOT transport wet or damp material.

{Text for bulk bags}

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or reconditioning if appropriate or, dispose of empty bag in a sanitary landfill or by incineration.

{Text for bulk bin}

CONTAINER DISPOSAL: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal pressure rinse as follows: Empty the remaining contents into application equipment or mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the top of the container, rinse at 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drop. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

{Text for fiber drum with liner}

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the same manner required for its liner.

{Text for plastic container}

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration.

change per PR Notice 2007-4