

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 1 1997

Christopher Davis
Elf Atochem North America
Agrichemicals Division
2000 Market Street
Philadelphia, PA. 19102

Subject: EVAC Biocide
EPA Registration No. 4581-380
Notification Per PR-Notice 95-2

Dear Mr. Davis:

This will acknowledge receipt of your notification for assignment of a new alternate brand name "EVAC Biocide" submitted under the provisions of FIFRA section 3 (c) 9. Based on a review of the submitted material, the following comments apply.

The revised updated Confidential Statements of Formula dated 2/11/97, the basic formula and the two alternate formulas are in compliance with PR-Notice 91-2. They agree with the updated label and are acceptable.

The application is acceptable and the notification has been made a part of the records for this file.

If you have any questions concerning this letter, please contact Pam Hasty at (703) 308-7933.

Sincerely,



Marshall Swindell
Notification Coordinator
Antimicrobial Program Branch
Antimicrobial Division (7505W)

CONCURRENCES

SYMBOL	7505W						
SJRNAME	P. Hasty						
DATE	4/30/97						

246



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
 221342

Application for Pesticide - Section I

1. Company/Product Number 4581-380	2. EPA Product Manager Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) EVAC Biocide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Elf Atochem North America, Inc. Agrichemicals Division, 21st Floor 2000 Market Street, Phila., PA 19103-3222 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(ii), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of: New Brand Name: EVAC Biocide

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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 this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, 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.

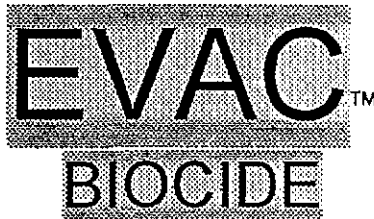
Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Christopher Davis	Title Manager, Product Registration	Telephone No. (Include Area Code) 215-419-7147
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Product Registration	
4. Typed Name Christopher Davis	5. Date 2/20/97	

Hi-Lited Copy



ACTIVE INGREDIENT:

Mono(N,N-dimethylalkylamine ^{**}) salt of endothall*	53.0%
INERT INGREDIENTS:	47.0%
TOTAL:	100.0%

Contains 2 lb. Technical endothall* per gallon
 *7-oxabicyclo [2.2.1] heptane-2,3-dicarboxylic acid equivalent 23.36%
~~**Alkyl as in fatty acids of coconut oil~~

**KEEP OUT OF REACH OF CHILDREN
DANGER**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN, wash with plenty of soap and water. Get medical attention.

IF IN EYES, hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF INHALED, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

EPA Registration No. 4581-380

EPA Establishment No. 228-IL-1

Net Contents 30 Gallons/113.5 Liters

Elf Atochem North America, Inc.
 Agrichemicals Group
 2000 Market Street
 Philadelphia, PA 19103

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

FATAL IF ABSORBED THROUGH SKIN. MAY BE FATAL IF SWALLOWED. CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY BE FATAL IF INHALED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WEAR PROTECTIVE CLOTHING, RUBBER GLOVES, AND GOGGLES OR FACE SHIELD WHEN HANDLING. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Do not breathe vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Workers who will come in contact with the concentrated product must wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Protective eyewear
- Chemical-resistant footwear plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewage systems without previously notifying the local sewage treatment authority. For guidance contact your State Water Board or Regional Office of the EPA.

GENERAL INFORMATION

EVAC Biocide is a liquid concentrate soluble in water. The active ingredient of this product is highly effective in controlling established populations or Zebra Mussel and in preventing settlement of the immature forms of Zebra Mussel and Quagga Mussel. **EVAC Biocide** has also shown activity against various slime organisms in systems that recirculate water.

The toxicity of **EVAC Biocide** to Zebra Mussel is dependent on rate of application and the time of exposure. In lab studies, treatments of **EVAC Biocide** at 2.3 ppm for 6-7 hours were equivalent to those at 5 ppm for 2 hours. **EVAC Biocide** rapidly dissipates in water. Degradation in the environment is microbial only; it does not hydrolyze or photolyze In an aquatic environment. **EVAC Biocide** does not require a holding period or deactivation after use.

DIRECTIONS FOR USE

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

For control of established populations of zebra mussel in recirculating and once through cooling water systems. **EVAC Biocide** should be applied at 16.2 to 48.6 milliliters per 1000 gallons of water (equivalent to 1.0 to 3.0 ppm endothall technical) for six to twelve hours of exposure.

EVAC Biocide can be metered directly into the system with a positive displacement pump or into a flow of dilution water for use in a distribution header. One continuous application should be made at a convenient point of uniform mixing, such as a basin area, pump area or other reservoir or collecting area from which treated water will be circulated uniformly throughout the system.

Higher rates of application and exposure times are required for heavy populations of fouling mussels and/or with cooler water temperatures (less than 70°F).

EVAC Biocide has also shown potential for treating service water, auxiliary water, waste water, influent and fire protection water systems

Suspension of the blow down from cooling towers for six to twelve hours after **EVAC Biocide** application and/or segmenting plant-wide treatments will reduce the level of product remaining in the effluent.

STORAGE AND DISPOSAL

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

Storage Instructions: Store in the original container. Do not store in a manner where cross-contamination with other biocides could occur. In the event of spillage during handling or storage, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal Instructions for your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Pesticide 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.

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Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND DISCLAIMER

Elf Atochem North America warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. ELF ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL ELF ATOCHEM OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING. Elf Atochem and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Elf Atochem.