

PM 31

2-9-99

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FEB - 9 1999

AEGIS Environmental Management, Inc.
3106 Swede Avenue
Midland, OH 48642-3843

Subject: Sylgard Antimicrobial Treatment
EPA Registration No. 64881-3
Notification Per PR Notice 98-10
Your Notification Dated: 1/22/99

Attention: Mr. Hal Locker,
President

This letter acknowledges receipt of your notification to change the primary brand name to AEGIS Antimicrobial, submitted under the provisions of FIFRA sec. 3(c)(9). Based on a review of the submitted materials, the notification is acceptable and apart of the records for this file.

If you have any questions regarding this letter, please contact Jacqueline Campbell at (703) 308-6416.

Sincerely,
Jacqueline Campbell
for
Velma Noble
Product Manager 31
Regulatory Management Branch I
Antimicrobials Divisions (7510C)

CONCURRENCES							
SYMBOL	7510C						
SURNAME	Campbell						
DATE	2/9/99						



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 64881-3	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AEGIS Antimicrobial	PM # 31	
5. Name and Address of Applicant (Include ZIP Code) AEGIS Environmental Management, Inc. 3106 Swede Avenue Midland, MI 48642-3843 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), 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.)

See attached

Section - III

1. Material This Product Will Be Packaged In:					
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		2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> 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 checked="" 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 Label 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 Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Hal A. Locker	Title President	Telephone No. (Include Area Code) 517-832-8180
<p align="center">Certification</p> <p>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.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title President	
5. Typed Name Hal A. Locker	4. Date January 22, 1999	

ATTACHMENT TO NOTIFICATION
PRODUCT 64881-3

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
401 M Street S.W.
Washington, D.C. 20470-0001

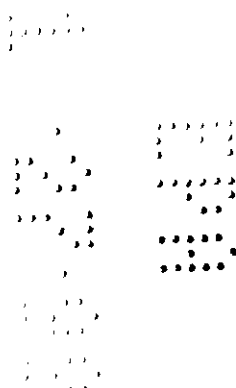
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 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 - II
Explanation:

Change of Primary Brand Name

Hal G. Baker

1-22-99



Specimen Label

AEGIS™ Antimicrobial

A SILANE QUATERNARY AMMONIUM SALT

EPA Reg. No. 64881-3
EPA Est. 34292-MI-01

ACTIVE INGREDIENT: 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride 42%
INERT INGREDIENTS: 58%

CONTAINS OVER 49% METHANOL

KEEP OUT OF REACH OF CHILDREN

DANGER!  **POISON** 
CAUSES EYE DAMAGE

• **METHANOL MAY CAUSE
BLINDNESS • HARMFUL OR FATAL
IF SWALLOWED • VAPOR HARM-
FUL • AVOID BREATHING SPRAY
MIST OR VAPORS • AVOID CON-
TACT WITH SKIN • FLAMMABLE**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink large quantity of water. Have patient lie down and keep warm. Cover eyes to exclude light, call a physician and/or poison control center. **IF INHALED:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **IF ON SKIN:** Flush with copious amounts of water for at least 15 minutes. **IF IN EYES:** Flush with copious amounts of water for at least 15 minutes and get immediate medical attention.

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS (& DOMESTIC ANIMALS)

DANGER! CORROSIVE. CAUSES EYE DAMAGE AND SKIN IRRITATION.

Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Use with adequate ventilation. Vapor harmful. Avoid breathing of vapor. Harmful or fatal if swallowed. Avoid contamination of food. Methanol may cause blindness.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to 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 HAZARDS

Flammable. Keep away from heat and open flame.

AEGIS™ Antimicrobial

5047

DIRECTIONS FOR USE

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

FOR COMMERCIAL USE ONLY, AS A FINAL BACTERIOSTATIC, FUNGISTATIC, PRESERVATIVE FINISH IN THE PRESENCE OF MOISTURE

AEGIS Antimicrobial is to be used only as directed in AEGIS' Technical Bulletins

STORAGE AND DISPOSAL

STORAGE: Moisture sensitive. Keep tightly closed until ready to use. Reclose tightly after each use.

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.

Do not reuse containers. Do not cut or weld containers. Triple rinse (or equivalent) empty containers. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE: AEGIS warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in the bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. **AEGIS ENVIRONMENTAL MANAGEMENT, INC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.**

ATTENTION! This container will have vapor and/or product residues when emptied. All hazard precautions on label must be observed when handling emptied container.



**METHANOL SOLUTION
UN1230**



**Sold by:
AEGIS ENVIRONMENTAL
MANAGEMENT, INC.
3106 SWEDE AVENUE
MIDLAND, MICHIGAN 48642
1-517-832-8180, U.S.A.**

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™ A trademark of AEGIS Environmental Management, Inc., U.S.A.
MADE IN U.S.A.

SPECIMEN LABEL 2214628 DATE CODE 0198

2214628 PRINTED IN U.S.A. IN JANUARY 1998 REPLACES SPECIMEN LABEL 2214628 PRINTED IN SEPTEMBER 1995. DISCARD PREVIOUS SPECIMEN LABELS. REVISIONS INCLUDE: PRODUCT NAME CHANGE, REGISTRATION NUMBER, SELLER NAME AND ADDRESS.

ÆGIS MICROBE SHIELD™ PROGRAM TECHNICAL BULLETIN

DESCRIPTION

ÆGIS™ Antimicrobial is 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride containing 42 percent active ingredient by weight in methanol.

FEATURES

Good durability — ÆGIS Antimicrobial imparts durable, broad spectrum antimicrobial activity to the surface of a wide variety of substrates; is leach-resistant and non-migrating and is not consumed by microorganisms

Broad-spectrum activity — effective against gram(+) and gram(-) bacteria, fungi, algae and yeasts; antimicrobial action is exhibited on contact in the presence of moisture

Increased efficiency — through proper application, durable bacteriostatic, fungistatic and algistatic surfaces can be attained with a minimum amount of ÆGIS Antimicrobial

BENEFITS

Provides preservation for many types of fibers, fabrics, threads and surfaces against a wide variety of bacteria, fungi, yeasts and algae

Prevents deterioration and discoloration caused by bacteria, fungi, algae and yeasts

Retains the "freshness" of an article by inhibiting or resisting the growth of odor-causing bacteria and mildew (fungus)

Prolongs life of an article by inhibiting the growth of bacteria and mildew

Provides hygienic freshness

Provides a treatment that is not destroyed by cleaning/washing

Resists odors through chemical protection

Compatible with substrates and processes listed under approved uses

ÆGIS™ ANTIMICROBIAL

U.S. Environmental Protection Agency Registration Number.....	64881-3 (EPA Est. 34292-MI-01)
Type.....	Silane quaternary ammonium salt
Physical Form.....	Low-viscosity liquid
Special Properties.....	Surface bondability
Primary Uses.....	As a surface-durable antimicrobial agent that is active against a wide variety of bacteria, fungi, algae and yeasts

APPROVED USES

- Carpet, draperies and upholstery
- Interior non-food contact hard surfaces including: floors, walls, ceilings, ceramic tile, concrete, chrome, stainless steel, fiberglass, vinyl, porcelain, paper wall covering, wood and glass fixtures, marble, aluminum, book covers, pictures and furniture

HOW TO USE

ÆGIS Antimicrobial can be applied to organic and inorganic surfaces as a dilute aqueous solution to give 0.1 to 1.0 percent by weight of active ingredients. Aqueous solutions can be prepared by simply adding the antimicrobial agent to water with stirring.

Surfaces can be treated with the aqueous solution by dipping, padding or spraying until adequately wet, or applying by foaming techniques.

After applying treatment, the surface should be allowed to dry. Open windows and use a fan or other active means of ventilation to remove the methanol vapors from the room.

STORAGE, HANDLING AND PRECAUTIONARY INFORMATION

This product is "flammable" and "poisonous." Keep away from heat and open flame.

Storage and Shelf Life

When stored in original, unopened containers at or below 25 C (77F), ÆGIS Antimicrobial has a minimum shelf life of 12 months from date of

shipment. Since this material is moisture-sensitive, keep containers tightly closed after each use.

Handling (Danger)

Wear goggles or face shield and rubber gloves when handling the concentrated material.

ÆGIS Antimicrobial, if ingested in amounts incidental to industrial handling, should pose no significant adverse health hazard. Direct contact of the undiluted material with eyes may cause serious injury or blindness. Particular care must be taken to prevent eye contact. In case of contact with eyes, immediately flush eyes with large amounts of water for at least 15 minutes and get prompt medical attention.

Single, short-term skin exposure to concentrate may cause slight irritation. Contact over several days may cause blistering and a superficial burn. Precautions should be taken to avoid prolonged or repeated skin contact.

Undiluted ÆGIS Antimicrobial contains 50 percent methanol. Keep away from heat and open flame. Appropriate measures should be taken to prevent the accumulation of hazardous concentrations of methanol vapors in the work area. Avoid breathing vapors.

Neutralization and Environmental Protection

ÆGIS Antimicrobial is toxic to aquatic

organisms. This antimicrobial agent, by standard BOD (biological oxygen demand) and TOD (total oxygen demand) determination, does not appear to be biodegradable. Potential harm to the environment is minimized, however, because of the minimal amount of chemical applied and its durable coupling to surfaces.

Inactivation of solutions containing ÆGIS Antimicrobial may be accomplished by addition of an anionic surfactant or detergent in quantity equivalent to that of ÆGIS Antimicrobial in solution.

Every effort should be made to contain accidental spills of concentrate to the immediate area. This may be accomplished by the use of sandbags or barrier material to confine the spill to facilitate cleanup and disposal. Contaminated sand or barrier material may then be disposed of by burial in an approved landfill. Many spills may be cleaned up with rags or other absorbent materials by wiping, soaking and/or mopping and allowing the liquid to absorb onto the material.

The absorbent material may then be disposed of by incineration or landfill.

Floor drains in areas of material use should be protected with absorbent material or barrier material to contain accidental spills.

MSDS INFORMATION

BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET CAN BE OBTAINED BY WRITING TO ÆGIS ENVIRONMENTS OR BY CALLING (517) 832-8180. A MATERIAL SAFETY DATA SHEET FOR A TYPICAL USE DILUTION AQUEOUS SOLUTION IS ALSO AVAILABLE.

Shipping Limitations

DOT Classification: Flammable.

Packaging

ÆGIS Antimicrobial is supplied in 35-

and 380-lb (15.9- and 181.4-kg) containers, net weight.

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

ÆGIS Environmental Management, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

ÆGIS ENVIRONMENTAL MANAGEMENT, INC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

ÆGIS ENVIRONMENTS
3106 Swede Avenue
Midland, Michigan 48642-3843
517-832-8180

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