



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 9386-49

Date of Issuance: DEC 21 2011

Term of Issuance:

Conditional

Name of Pesticide Product:

FENNOSURF 586

NOTICE OF PESTICIDE:

- x Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Kemira Chemicals, Inc.
1950 Vaughn Road
Kennesaw, GA 30144

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 (OPP Decision No. D445675) is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

- 1. Make the labeling changes listed below before you release the product for shipment:
a. Revise the "EPA Registration Symbol to read, "EPA Reg. No. 9386-49"

Signature of Approving Official:

Velma Noble
Product Manager Team-31
Regulatory Management Branch
Antimicrobials Division (7510P)

Date:

DEC 21 2011

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE, and multiple empty columns for CONCURRENCES. Includes handwritten entries: 7510P, 12/21/11.

b. Revise the Precautionary Statements to include the following:
“...Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, *using tobacco or using the toilet.*”

c. As per PR Notice 2001-1, revise your First Aid statements such that to be ordered from most toxic to least toxic route of exposure. Revise the order to read “If Swallowed” followed by “If On Skin” followed by “If In Eyes” and “If Inhaled.”

d. Revise the Environmental Hazards Statement to begin as follows: “*This pesticide is toxic to fish and aquatic organisms. Do not discharge...*”

d. Revise the “Directions for Use” to begin as follows: “This product *must be* applied in conjunction 1) *an EPA registered* sodium hypochlorite product (12.5% a. i.) and 2) *a closed delivery system at a pH of ≥ 12* to form monochloramine, a slower acting less aggressive oxidizing microbiocide. The products are added to dilution...”

e. In each subsequent instance, indicate that the sodium hypochlorite is *an EPA registered product*. Also revise to state “...fed into the treatment water systems through a *closed* chemical feed skid *at a pH of ≥ 12* only by trained...”

f. Revise the Directions for Use to be in agreement with PR Notice 2000-5 which requires mandatory language as follows: “...This product *is* added to the system continuously...” and “...Badly fouled systems *must* be cleaned before initial treatment.” (two instances).

g. Add the following Physical and Chemical Hazards section to your label:
“**Physical and Chemical Hazards:** *Direct mixing of this product with sodium hypochlorite solutions and other strong oxidizing and alkali chemicals will release hazardous gases. Only mix with other chemicals or materials solutions following the Directions for Use of this product.*”

2. Submit a one year product specific storage stability and corrosion characteristics studies. Take pH measurements in the same time sequence as the analysis of content and submit this information for review. These studies must be performed in compliance with EPA GLP guidance as per 40 CFR 160. Submit this information by April 1, 2013.

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

CONCURRENCES

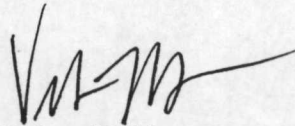
SYMBOL	SURNAME	DATE						

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Submit and/or cite all data required for registration/re-registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4. If these conditions including the labeling changes which follow are not complied with, this Registration will be subject to cancellation in accordance with FIFRA section 6 (e).

Your release for shipment of this product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Should you have any questions regarding this letter, please contact Tracy Lantz at lantz.tracy@epa.gov or (703) 308-6415.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch
Antimicrobials Division (7510P)

Enclosure: Stamped Label , DER DP 394455
7510P:T. Lantz:12/21/11:9386-49 ammonia reg notice

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

revised 12/20/11

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 21 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 9386-49

Me-Too New Product Registration
(PRIA-A531)
Fennosurf 586 (EPA REG. # 9368-UO)
REVISED Product Label 20DEC2011

FENNOSURF 586

Microbiocide for controlling algal, bacterial and fungal deposits in influent water systems and all process water systems used for the manufacture of paper and paperboard products.

Ammonia (total):	7.59%
Inert ingredients:	92.41%
Total:	100%

EPA REG. NO. 9386-XX

EPA EST. NO. 9386-GA-1

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If in eyes	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor immediately for treatment advice.
If swallowed	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	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.
HOT LINE	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact CHEMTREC at 1-800-424-9300.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMAN AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

ENVIRONMENTAL HAZARDS: 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 you State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

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

Pulp and Paper Mills: Fennosurf 586 can be used as a microbiocide in the manufacture of paper and paperboard that contacts food.

This product is applied in conjunction with sodium hypochlorite (12.5% a.i.) to form monochloramine, a slower acting less aggressive oxidizing microbiocide. The products are added to dilution water to achieve a minimum molar ratio of 1.5:1.0 product to 1.0 of ammonia to oxidant, and this ratio is obtained by combining 0.6 fluid ounces

of Fenno Surf 586 to 1 fluid ounce of sodium hypochlorite (12.5 a.i.). To ensure both handling safety and effectiveness, the monochloramine solution must be generated and fed into the treatment water systems through a proper chemical feed skid only by a trained Kemira representative. Use of this product for any other purposes or contrary to the use directions specified below is prohibited.

Dosage Rates: When noticeably fouled, apply sufficient product and sodium hypochlorite to achieve a total chlorine residual of at least 1 ppm in excess of the system oxidant demand. Once control is achieved, treatment rates can be reduced to sub-demand rates from 50% to 80% of system demand. The product may be added to the system continuously or intermittently as needed to any area of the system where uniform mixing can be obtained.

For intermittent treatment mix 0.6 fluid ounces of Fenno Surf 586 to 1 fluid ounce of sodium hypochlorite (12.5% a.i.). Apply solution at a rate to obtain 1 to 2 ppm in excess of the system oxidant demand (maximum of 5 ppm measured) as total chlorine in the process water or stock being treated for 5 to 60 minutes every 1 to 6 hours. The frequency of feeding and the duration of treatment will depend on the severity of the problem. Badly fouled systems should be cleaned before initial treatment.

For continuous treatment mix 0.6 fluid ounces of Fenno Surf 586 to 1 fluid ounce of sodium hypochlorite (12.5% a.i.). Apply solution at a rate to obtain at least 1 ppm in excess of system oxidant demand (maximum of 5 ppm) measured as total chlorine in the process water or stock being treated on a continuous basis. The frequency of feeding and the duration of treatment will depend on the severity of the problem. Badly fouled systems should be cleaned before initial treatment.

If chloramine is detected in the effluent, it can be neutralized by addition of sodium meta bisulfite until the chloramine is no longer detected.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE STORAGE: Keep container tightly closed. Store in a dry place. Leaking or damaged containers should be placed in overpack containers for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.
PESTICIDE DISPOSAL: 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 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: Nonrefillable container. Do not reuse or refill this container. Offer for reconditioning, if appropriate. Open dumping is prohibited. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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.

Density: _____

Label Date: _____

Lot# _____

Net Wt: XX,XXX lbs.

Manufactured By
Kemira
KEMIRA CHEMICALS, INC.
1000 PARKWOOD CIRCLE
ATLANTA, GA 30339