1706-20001 6/11/2013 1/6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 11, 2013 ***FILE COPY***

Linda J. Fane
Research Scientist
Nalco Company
1601 West Diehl Road
Naperville, IL 60563

Subject: **NALCO 7341**
EPA Registration Number: 1706-20001
Application Date: May 24, 2013
EPA Receipt Date: May 26, 2013

Dear Ms. Fane:

This acknowledges receipt of the above notification application, submitted under the provision of PR Notice 98-10, FIFRA 3(c)9.

Proposed Notification:

- Add the NSF Mark as optional marketing text of label for brand names that are certified by NSF Standard 60.

General Comments:

Based on a review of the material submitted, the notification application is acceptable.

Should you have any questions or comments concerning this letter, please contact Adam Heyward via email at *heyward.adam@epa.gov* or by telephone at (703) 347-0274 during the hours of 6:00 am to 2:30 pm EST.

Sincerely,

Mike Mendelsohn
Acting Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060, Approval expires 2-28-95

EPA	United States Environmental Protection Agency Washington, DC 20460	☐ Registration ☐ Amendment ☒ Other	OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
1706-20001	**Mike Mendelsohn**	☒ None ☐ Restricted
4. Company/Product (Name)	PM#	
Nalco 7341	**32**	
5. Name and Address of Applicant *(Include ZIP Code)* Nalco Company 1601 West Diehl Road Naperville, IL 60563 ☐ *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. Nos. Product Names	

Section - II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated _____
☒ Notification – Explain Below.
☐ Final printed labels in response to Agency letter dated _____
☐ "Me Too" Application
☐ Other – Explain Below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification to add the NSF Mark as optional marketing text so that it can appear on the label for the brand names that are certified by NSF Standard 60.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulation at 40 CRF 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 statements 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 - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes ☒ No **** Certification must be submitted***	☐ Yes ☒ No		☐ Yes ☒ No		☐ Metal ☒ Plastic ☐ Glass ☐ Paper ☒ Other (Specify) PE lined SS totes
	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Packaging wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☒ Container	5 gal. plastic pail, 15 gal. plastic drum, 55 gal. plastic drum, 275 gal. plastic tote, 400 gal. PE lined SS tote, 200 gal. PE lined SS tote, 50 gal. PE lined SS tote	☒ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☒ Paper Glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Linda J. Fane	Research Scientist	630-305-1455

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

2. Signature	3. Title	6. Date Application Received (Stamped)
Linda Fane	Research Scientist	
4. Typed Name Linda J. Fane	5. Date 5-24-2013	

3/6

NALCO

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
phone 630.305.1000
www.nalco.com

March 24, 2013

Document Processing Desk (NOTIFY)
Office of Pesticide Programs (7510P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Attention: Mike Mendelsohn
Product Manager 32
Antimicrobials Division

Subject: **Label Notification**

Product: Nalco 7341 (EPA Reg. No. 1706-20001)

Dear Mr. Mendelsohn:

Nalco Company is submitting a label notification for Nalco 7341 (1706-20001) to add the NSF Mark as optional marketing text. This will allow Nalco to display the NSF Mark on the label for those tradenames that are certified to NSF Standard 60.

In support of this amendment the following is enclosed:

1. Application Form (EPA Form 8570-1)
2. Five copies of the revised label with the new graphics & language highlighted in yellow

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulation at 40 CRF 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 statements 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.

If you have any questions, please contact me at 630-305-1455.

Regards,

Linda J. Fane
Research Scientist
Regulatory Affairs - NA Commercial Biocides

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: HIGHLY CORROSIVE. CAUSES SKIN AND EYE DAMAGE. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves (PVC or Nitrile) when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

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 discha..ge. 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 AND CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with gross filth such as feces, urine, etc., or with ammonia, acids, detergents or other chemicals will release hazardous gases irritating to eyes, lungs and mucous membranes.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry area away from direct sunlight. In case of a spill, flood area with large quantities of water.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

(Instructions for refillable containers:)

Container Disposal: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning 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, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(Instructions for non-refillable containers greater than 5 gallons:)

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back, 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.

(Instructions for non-refillable containers 5 gallons or less:)

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

DIRECTIONS FOR USE

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

NOTE: This product degrades with age. Use a chlorine test kit and increase dosage as necessary to obtain the required level of available chlorine.

For the control of bacteria, algae and fungi, add this sodium hypochlorite solution to tower basin, distribution box or some other point in the system to ensure uniform mixing.

NOTIFICATION
Date Received: 6-11-13
Reviewed By:

NALCO

NALCO 7341

A MICROORGANISM CONTROL CHEMICAL

ACTIVE INGREDIENT:	
Sodium hypochlorite	12.5%
INERT INGREDIENTS	87.5%
TOTAL	100.0%

Available Chlorine 11.9%

EPA Reg. No. 1706-20001

EPA Est. No. 1744-NH-1	EPA Est. No. 68708-TX-1 (SL)
EPA Est. No. 1706-CA-1 (CR)	EPA Est. No. 00550-GA-001
EPA Est. No. 1706-IL-1 (BP)	EPA Est. No. 00550-PA-003
EPA Est. No. 1706-LA-1 (GV)	EPA Est. No. 000813-AZ-001
EPA Est. No. 1706-PA-1 (EL)	EPA Est. No. 000813-CO-001
EPA Est. No. 1706-WA-1 (VW)	EPA Est. No. 70411-LA-1
EPA Est. No. 68708-LA-1 (ST)	EPA Est. No. 10897-WA-1

Letter in () that matches first letter in batch number identifies the establishment number.

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

- IF IN EYES: Hold eyes 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 ON SKIN OR CLOTHING: 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.
- IF SWALLOWED: Call a 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 a poison control center or doctor.
- IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. Have the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE OTHER PRECAUTIONARY STATEMENTS ON SIDE PANEL BEFORE OPENING CONTAINER.

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

DIRECTIONS FOR USE

COOLING TOWER, EVAPORATIV

SLUG FEED METHOD
Initial Dose: When the system is noti
of water in the system to obtain fro
fouled systems must be cleaned befor
Subsequent Dose: When microbial
gallons of water in the system daily,

INTERMITTENT FEED METHOD
Initial Dose: When the system is no
of water in the system to obtain 5 to
when half (or 1/3, 1/4, 1/5) of the w
cleaned before treatment is begun.
Subsequent Dose: When microbia
gallons of water in the system to ob
half (or 1/3, 1/4, 1/5) of the water i

CONTINUOUS FEED METHOD
Initial Dose: When the system is n
in the system to obtain 5 to 10 ppm
begun.
Subsequent Dose: Maintain this tre
gallons of water lost by blowdown

TREATI METHOD
Slug Feed to obtain 5-10 ppm Subsequent Dose to maintain 1 ppm
Intermittent Feed to obtain 5-10 pp Subsequent Dose to maintain 1 ppm
Continuous Feed to obtain 5-10 ppm Subsequent Dose (per 1000 gallons ppm residual

(EMI

PUBLIC SYSTEMS
Mix a ratio of 1 oz. of NALCO 73
until a free available chlorine resi
distribution system. Check water fi
at a frequency no less than that pr
local Health Department for further

INDIVIDUAL SYSTEMS: DUG
Upon completion of the casing (lin
solution using a stiff brush. This
gallons of water. After covering t
opening and the pipeline. Wash th
and pump water until strong odor
hours flush well until all traces o
Department of further details.

INDIVIDUAL WATER SYSTEMS
Run pump until water is as free fro
into the well. This solution can be
Add 5 to 10 gallons of clean, chlor
Wash the exterior of pump cylinde
strong odor of chlorine in water is n
traces of chlorine have been remov
of special methods for introductio
further details.

INDIVIDUAL WATER SYSTEMS
Artesian wells generally do not requ
be disinfected. Consult your local

Revised: 5/24/2013

UN 1791, Hypochlorite solution, 8, PG III
[RQ component: sodium hypochlorite; RQ amount: 800 lbs]

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) HUMANS AND DOMESTIC

I AND EYE DAMAGE. May be goggles or face shield and rubber gloves Avoid breathing vapors. Vacate poorly sipated. Remove and wash contaminated

ffluent containing this product into lakes, ce with the requirements of a National ting authority has been notified in writing ct to sewer systems without previously tact your State Water Board or Regional

bel directions. Mixing this product with or other chemicals will release hazardous

SAL

. In case of a spill, flood area with large

be disposed of on site or at an approved

sticide only. Do not reuse this container responsibility of the person disposing of ller. To clean the container before final cation equipment or mix tank. Fill the ulate water with the pump for 2 minutes. stem. Repeat this rinsing procedure two

l this container. Offer for recycling, if tying. Triple rinse as follows: Empty ontainer ¼ full with water. Replace and at least one complete revolution, for 30 l times. Turn the container over onto its application equipment or a mix tank or nes.

l this container. Offer for recycling, if tying. Triple rinse as follows: Empty for 10 seconds after the flow begins to seconds. Pour rinsate into application n for 10 seconds after the flow begins to

nt with its labeling.

crease dosage as necessary to obtain the

solution to tower basin, distribution box

NOTIFICATION
Date Received: 6-11-13
Reviewed By:

NALCO

NALCO 7341

A MICROORGANISM CONTROL CHEMICAL

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- IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

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Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

UN 1791, Hypochlorite solution, 8, PG III
[RQ component: sodium hypochlorite; RQ amount: 800 lbs]

DIRECTIONS FOR USE (cont'd)

COOLING TOWER, EVAPORATIVE CONDENSER WATER, PULP AND PAPERMILL AND INDUSTRIAL WATER SYSTEMS

SLUG FEED METHOD

Initial Dose: When the system is noticeably fouled, add appropriate amount of NALCO 7341 per 10,000 gallons of water in the system to obtain from 5 to 10 ppm available chlorine. Repeat until control is achieved. Badly fouled systems must be cleaned before treatment is begun.

Subsequent Dose: When microbial control is evident, add appropriate amount of NALCO 7341 per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 ppm.

INTERMITTENT FEED METHOD

Initial Dose: When the system is noticeably fouled, add appropriate amount of NALCO 7341 per 10,000 gallons of water in the system to obtain 5 to 10 ppm available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, 1/5) of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

Subsequent Dose: When microbial control is evident, add appropriate amount of NALCO 7341 per 10,000 gallons of water in the system to obtain a 1 ppm residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, 1/5) of the water in the system has been lost by blowdown.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, add appropriate amount of NALCO 7341 per 10,000 gallons in the system to obtain 5 to 10 ppm available chlorine. Badly fouled systems must be cleaned before treatment is begun.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 1 oz. of NALCO 7341 per 1,000 gallons of water lost by blowdown to maintain a 1.0 ppm residual.

TREATMENT LEVEL CHART

METHOD	Ounces NALCO 7341/10,000 Gallons Water
Slug Feed to obtain 5-10 ppm	52-104
Subsequent Dose to maintain 1 ppm residual	11
Intermittent Feed to obtain 5-10 ppm	52-104
Subsequent Dose to maintain 1 ppm residual	11
Continuous Feed to obtain 5-10 ppm	52-104
Subsequent Dose (per 1000 gallons) to maintain 1 ppm residual	1.0

DISINFECTION OF DRINKING WATER
(EMERGENCY/PUBLIC/INDIVIDUAL SYSTEMS)

PUBLIC SYSTEMS

Mix a ratio of 1 oz. of NALCO 7341 to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Primary Drinking Water Regulations. Contact your local Health Department for further details.

INDIVIDUAL SYSTEMS: DUG WELLS

Upon completion of the casing (lining) wash the interior of the casing (lining) with a 100 ppm available chlorine solution using a stiff brush. This solution can be made by thoroughly mixing 1 oz. of NALCO 7341 into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both the pipesleeve opening and the pipeline. Wash the exterior of the pump cylinder also with the sanitizing solution. Start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours flush well until all traces of chlorine have been removed from the water. Consult your local Health Department of further details.

INDIVIDUAL WATER SYSTEMS: DRILLED, DRIVEN & BORED WELLS

Run pump until water is as free from turbidity as possible. Pour a 100 ppm available chlorine sanitizing solution into the well. This solution can be made by thoroughly mixing 1 oz. of NALCO 7341 into 10 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the sanitizer into the rock formation. Wash the exterior of pump cylinder with the sanitizer. Drop pipeline into well, start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours flush well until all traces of chlorine have been removed from the water. Deep wells with high water levels may necessitate the use of special methods for introduction of the sanitizer into the well. Consult your local Health Department for further details.

INDIVIDUAL WATER SYSTEMS: FLOWING ARTESIAN WELLS

Artesian wells generally do not require disinfection. If analyses indicate persistent contamination, the well should be disinfected. Consult your local Health Department of further details.

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EMERGENCY DISINFECTION

When boiling of water for 1 minute is not practical, water can be made potable by using NALCO 7341. Prior to addition of the sanitizer, remove all suspended material by filtration or by allowing it to settle to the bottom. Decant the clarified, contaminated water to a clean container and add 1 drop of NALCO 7341 to 20 gallons of water. Allow the treated water to stand for 30 minutes. Properly treated water should have a slight chlorine odor, if not, repeat dosage and allow the water the stand an additional 15 minutes, the treated water can then be made palatable by pouring it between clean containers several times.

SEWAGE AND WASTEWATER EFFLUENT TREATMENT

The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, to ensure that the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after a 15 minute contact time. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

The following are critical factors affecting wastewater disinfection:

1. Mixing: It is imperative that the product and wastewater be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the wastewater.
2. Contacting: Upon flash mixing, the flow through the system must be maintained.
3. Dosage/Residual Control: Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after a 15 minute contact time.

SEWAGE AND WASTEWATER TREATMENT

EFFLUENT SLIME CONTROL

Apply a 100 to 1000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 10 to 100 oz. of NALCO 7341 with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 3 oz. of NALCO 7341 with 100 gallons of water.

FILTER BEDS-SLIME CONTROL

Remove filter from service, drain to a depth of 1 ft. above the filter sand, and add 80 oz. of NALCO 7341 per 20 sq. ft. evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4 to 6 hours before completely draining and backwashing filter.

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER

[Note to reviewer: The NSF logo is optional marketing text and will only be used on NSF certified product tradenames]

[NSF Certified to NSF/ANSI 60]

Revised: 5/24/2013

UN 1791, Hypochlorite solution, 8, PG III
[RQ component: sodium hypochlorite; RQ amount: 800 lbs]

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