



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 24, 2017

Rachel Majerczak
Regulatory Specialist 1
Nalco Company LLC
1601 west Diehl Road
Naperville, IL 60563

Subject: Notification per PRN 98-10 – Label
Notification Product Name: STABREX ST 70
EPA Registration Number: 1706-179
Application Date: January 17, 2017
Decision Number: 526015

Dear Ms. Majerczak:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Wanda Henson at (703) 308-6345 or via email at henson.wanda@epa.gov

Sincerely,

A handwritten signature in blue ink that reads "Wanda G. Henson, for".

Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. CAUSES SEVERE EYE AND SKIN INJURY. HARMFUL IF INHALED. HARMFUL IF SWALLOWED. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

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 public 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Apply this pesticide only as specified on the label.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinseate 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.

(Instructions for refillable containers:)

Container Handling: 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 rinseate into application equipment or rinseate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

(Instructions for non-refillable containers greater than 5 gallons:)
Container Handling: Non-refillable container. Do not reuse or refill this container. 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 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 rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

(Instructions for non-refillable containers 5 gallons or less:)
Container Handling: Non-refillable container. Do not reuse or refill this container. 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER

[Batch/Lot Number: _____]

Note to EPA Reviewer: Batch/Lot Number may or may not appear on the label.

NOTIFICATION

1706-179

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/24/2017

Revised: 01-13-2017

UN 3266, Corrosive Liquid, Basic, Inorganic, N. O. S. (sodium hydroxide, bromine antimicrobial) 8, II
[RQ: Sodium hydroxide, RQ amt: 35,000 lbs]



STABREX™ ST 70

STABREX ST 70 is an effective agent for controlling algal, bacterial, and fungal slime in condensing and cooling equipment in which recirculating water is used as the cooling medium and in ponds which serve as the source of boiler feedwater or cooling water. STABREX ST 70 can also be used to control bacterial, fungal and algal slime in decorative fountains, air washers, pulp & papermill influent water systems (Not For Use In California), pulp and papermill process water systems (Not For Use In California), and food, beverage, and industrial process pasteurizers.

This product may be patented | Ce produit peut être breveté | Este producto puede ser patentado: www.nalco.com/patents

ACTIVE INGREDIENTS

Sodium Hypochlorite.....	6.36%
Sodium Bromide.....	9.23%
OTHER INGREDIENTS.....	84.41%
Total.....	100.00%

Total Available Bromine = approximately 14%
(Expressed as chlorine = approximately 6.4%)

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID

If swallowed:

- Call a poison control center or a doctor immediately for treatment advice.
- **DO NOT INDUCE VOMITING.**

Do not give anything to drink.

If in eyes:

- Hold eyes open and rinse slowly and gently with water for 15-20 minutes.
- After at least 15 minutes of rinsing or after it is judged that nearly all of the contamination has been removed. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

- Call a poison control center or a doctor immediately 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 a doctor for treatment advice.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.

- Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN:

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No. 1706-179

EPA Establishment Numbers are as follows (Letters in () that match prefix in batch number identify the establishment number.)

EPA Est. No. 1706-CA-1 (CR); 1706-IL-1 (BP); 1706-LA-1 (CV); 1706-PA-1 (EL); 1706-WA-1 (VW); 1706-OK-1 (TU); 68708-TX-1 (SL); 68708-TX-3 (DS); 68708-WY-1 (EV); 73005-DE-1 (PN)

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

DIRECTIONS FOR USE

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

COOLING PONDS

(NOTE: THIS USE NOT CURRENTLY AUTHORIZED IN NEW YORK)

STABREX ST 70 may be applied at the pond inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient STABREX ST 70 should be fed to maintain a total bromine level of 4.5-9.0 ppm in all parts of the pond (two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine).

DECORATIVE FOUNTAINS

STABREX ST 70 may be applied at the fountain inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient STABREX ST 70 should be fed to maintain a total bromine level of 4.5-9.0 ppm in all parts of the reservoir (two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine).

INDUSTRIAL AND COMMERCIAL RECYCLING

COOLING WATER SYSTEMS

STABREX ST 70 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. STABREX ST 70 should be applied to the cooling water to provide a total bromine level of 4.5-9.0 ppm. STABREX ST 70 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

INDUSTRIAL PASTEURIZERS

(Such as food, beverage, and industrial process pasteurizers)

For control of bacteria and fungi in industrial pasteurizers add 3.5-7.0 ounces of STABREX ST 70 per 1000 gallons of system water to achieve control. To maintain control add sufficient STABREX ST 70 to maintain 4.5-9.0 ppm total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine.)

AIR WASHERS

(This product may be used only in industrial air washers and air washer systems which have mist-eliminating components)
For control of microorganisms in industrial air washer systems add sufficient STABREX ST 70 to the air washer sump or chill water to provide a total bromine level of 4.5-9.0 ppm. Badly fouled systems must be cleaned before treatment is begun. STABREX ST 70 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

HEAT TRANSFER SYSTEMS

(Such as Evaporative Condensers, Hydrostatic Steamers and Restors, Dairy Sweetwater Systems and Once-Through Cooling Water Systems)
STABREX ST 70 should be added at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS

(NOTE: THIS USE NOT CURRENTLY AUTHORIZED IN CALIFORNIA)

STABREX ST 70 should be applied to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide a total bromine level of 4.5-9.0 ppm. STABREX ST 70 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 ppm is obtained. Some systems may be maintained in a satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. STABREX ST 70 may be used in pulp and paper mill influent water systems where the manufactured paper or paperboard may be used for food contact purposes.

INDUSTRIAL WASTE WATER IMPOUNDMENT (WATER TREATMENT)

(NOTE: THIS USE NOT CURRENTLY AUTHORIZED IN CALIFORNIA)

For control of microorganisms in wastewater treatment system add sufficient STABREX ST 70 to provide a total bromine level of 0.2-0.5 ppm. Badly fouled systems must be cleaned before treatment is begun. STABREX ST 70, at a dosage of two fluid ounces per 10,000 gallons of water, gives a dosage of approximately 0.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 0.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 0.2-0.5 ppm is obtained at the bleed-off point.

SHELL EGG PASTEURIZER WATER SYSTEMS

(NOTE: THIS USE NOT CURRENTLY AUTHORIZED IN CALIFORNIA)

For control of bacteria, fungi and associated slime in shell egg pasteurizer water systems add 3.5-7.0 ounces of STABREX ST 70 per 1000 gallons of system water to achieve control. To maintain control add sufficient STABREX ST 70 to maintain 4.5-9.0 ppm total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 2.2 ppm total bromine).

FOR PULP & PAPER MILL PROCESS WATER SYSTEMS

(NOTE: THIS USE NOT CURRENTLY AUTHORIZED IN CALIFORNIA)

STABREX ST 70 should be added to a paper mixing system at a point of uniform mixing such as the beaters, stroke chest pump, save-all tank, or white water tank. Feed at a dosage sufficient to provide a total bromine level of 4.5-9.0 ppm. STABREX ST 70 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 ppm is obtained. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. STABREX ST 70 may be used in pulp and paper mill process water systems where the manufactured paper or paperboard may be used for food contact purposes.

NOTE: Halogen dosages listed in the various applications are expressed as bromine. Since most field test kits for oxidizing halogens give values in terms of chlorine, simply multiply the reading from the test kit (as chlorine) by 2.25 in order to obtain the bromine equivalency listed in these directions.