



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 1, 2017

Tracie Smith  
Nalco Company, LLC  
1601 West Diehl Road  
Naperville, IL 60563

Subject: Notification per PRN 98-10 – *adding “generic patent statement”*  
Product Name: **NALCO T74A6-M**  
EPA Registration Number: 1706-138  
Application Date: 10/04/17  
Decision Number: 534579

Dear Ms. Smith,

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 me at 703-305-6440 or via email at [grigsby.stacey@epa.gov](mailto:grigsby.stacey@epa.gov) .

Sincerely,

A handwritten signature in cursive script that reads "Stacey Grigsby".

Stacey Grigsby, Regulatory Risk Manager  
Regulatory Management Branch II  
Antimicrobials Division (7510P)



# NALCO T74A6-M

A MICROORGANISM CONTROL CHEMICAL FOR CONTROL OF BACTERIA, FUNGI, AND ALGAE IN INDUSTRIAL RECIRCULATING WATER COOLING TOWER SYSTEMS, AND FOR THE TREATMENT OF ULTRA FILTRATION UNITS AND NON-MEDICAL REVERSE OSMOSIS MEMBRANES & PERIPHERAL SYSTEMS; AND CONTROLS SLIME-FORMING BACTERIA AND FUNGI IN AIR WASHER SYSTEMS AND BREWERY PASTEURIZERS; AND CONTROLS THE GROWTH OF MICROORGANISMS IN INDUSTRIAL PRESERVATION APPLICATIONS INCLUDING BOTH RAW MATERIALS, AND PRODUCTS (EMULSIONS, COATINGS, POLISHES, SIZINGS, CAULK, ADHESIVES, PIGMENT SLURRIES); CONTROLS BACTERIA, FUNGI AND YEASTS IN PAPER MILLS; AND FOR THE CONTROL OF BACTERIA IN OIL AND WATERFLOOD OR SALT WATER DISPOSAL SYSTEMS; AND FOR DEPOSIT CONTROL

FOR INDUSTRIAL USE

## NOTIFICATION

### ACTIVE INGREDIENT:

2,2-Dibromo-3-nitropropionamide..... 20%  
INERT INGREDIENTS..... 80%  
TOTAL..... 100%

Weight/gallon=10.6 pounds

1706-138

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:

11/01/2017

## KEEP OUT OF REACH OF CHILDREN DANGER

### FIRST AID

#### If in eyes:

- Hold eye 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.
- Call a poison control center or a doctor immediately 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.

#### 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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### If on skin:

- 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.

### NOTE TO PHYSICIAN:

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

Have the product container or label with you when calling a poison control center or doctor or going to treatment.

For emergency information on T74A6-M call the **National Pesticides Information Center** at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. CORROSIVE:** Causes irreversible eye damage. May be fatal if inhaled or swallowed. Causes skin irritation. Do not get in eyes, on skin or on clothing. Do not breathe dust. When loading or handling wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves and a NIOSH approved respirator. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing separated from other before reuse.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

#### PERSONAL PROTECTIVE EQUIPMENT

*Applicators and other handlers must wear:* coveralls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, and chemical resistant gloves (such as barrier laminate or butyl nitrile/neoprene rubber, PVC, or viton).

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 Requirements

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must 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.

#### Application Restrictions:

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

#### Engineering Controls:

When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks.

#### DIRECTION FOR USE

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

Nalco Company, LLC  
EPA Reg. No: 1706-138  
Revised: 09/28/2017

NOT REGULATED DURING TRANSPORTATION IN THE U.S. PER 49CFR 173.154(D),

NOTE: ADD NALCO T74A6-M SEPARATELY TO THE SYSTEM. Do not mix it with other additives, in order to avoid decomposition of NALCO T74A6-M due to high pH of many additive formulations. **BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.**

#### **INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND INDUSTRIAL PROCESS WATER SYSTEMS**

(Such as: pretreatment systems and process waters used for washing metal or plastic parts and /or paint reduction)

***[PROCESS WATER SYSTEM USES NOT CURRENTLY AUTHORIZED IN CA.]***

Add NALCO T74A6-M to the basin (or other point of uniform mixing). Addition must be made with a metering pump; it may be continuous or intermittent depending on the severity of the contamination when treatment is begun, and the retention time in the system. Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, blowdown is discontinued for 24-48 hours.

##### **FOR THE CONTROL OF BACTERIA**

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon NALCO T74A6-M per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0024-0.0095 gallon NALCO T74A6-M per 1000 gallon of water in the system every four days or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon NALCO T74A6-M per 1000 gallon of water to the system.

SUBSEQUENT DOSE: Maintain level by pumping a continuous feed of 0.00095-0.0048 gallon NALCO T74A6-M per 1000 gallon of water in system/day.

##### **FOR CONTROL OF FUNGI AND ALGAE**

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon of NALCO T74A6-M per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.029-0.095 gallon NALCO T74A6-M per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon NALCO T74A6-M per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.029-0.095 gallon NALCO T74A6-M per 1000 gallon of water in the system per day.

##### **AIR WASHER SYSTEMS**

NOTE: For use only in industrial air washer systems that maintain effective mist eliminating components.

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gallon NALCO T74A6-M per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0015-0.047 gallon NALCO T74A6-M per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.003-0.095 gallon NALCO T74A6-M per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.0015-0.047 gallon NALCO T74A6-M per 1000 gallon of water in the system per day.

##### **BREWERY PASTEURIZERS**

For control of bacterial and fungal growths in brewery pasteurizers, add 0.15-0.25 gallon Nalco T74A6-M per 1000 gallon of system water (150-250 ppm). Repeat as necessary to maintain control.

Optimum performance with this product is attained by continuous or intermittent treatment.

##### **FOR CONTROL OF BACTERIAL FOULING**

**BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. AFTER CLEANING, FLUSH SYSTEM WITH PERMEATE TO REMOVE ANY RESIDUAL CLEANER.**FOR CONTROL OF BACTERIAL FOULING

For controlling bacterial fouling of ultra filtration units, non-medical reverse osmosis membranes and peripheral systems [where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible], add this product to the system inlet water or before any other contaminated area ahead of the Reverse Osmosis or Ultra-filtration unit. Addition must be made with a metering pump on an intermittent basis depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with feedwater must be continued until conductivity values in the permeate are at or below values before treatment with this product.

INITIAL DOSE: When the system is noticeably fouled, add 0.05-0.1 gal NALCO T74A6-M/ 1000 gal of feedwater (50-100 ppm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Minimum contact time must be 15 minutes.

SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.1 gal NALCO T74A6-M/1000 gal of feedwater (24-100 ppm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible.

##### **ENHANCED OIL RECOVERY SYSTEMS**

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts and fungi in oil field water, polymer or micellar floods, water-disposal systems or other oil field water systems, add 1-80 ppm NALCO T74A6-M (0.1-6.4 gallons NALCO T74A6-M per 2400 barrels of water) depending on the severity of contamination. Additions of NALCO T74A6-M may be made with a metering pump either continuously or intermittently.

Addition of NALCO T74A6-M may be made at the free water knockouts before or after the injection pumps and injection well headers.

NOTE: Add NALCO T74A6-M separately to the system. In order to avoid decomposition of NALCO T74A6-M due to the high pH of many additive formulations, do not add it with other additives.

##### **INDUSTRIAL PRESERVATION**

NALCO T74A6-M may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, and process water, along with specialty industrial products including inks, polishes, waxes, detergents & cleaners.

## TO REDUCE MICROBIOLOGICAL CONTAMINATION

Adding NALCO T74A6-M to the material or product at concentrations ranging from 125 to 2000 ppm by weight will typically provide effective reduction. This concentration is equivalent to 14 to 224 fluid ounces NALCO T74A6-M per 1000 gallons or 107 to 1712 milliliters NALCO T74A6-M per 1000 liters. In some instances lower levels of NALCO T74A6-M may be effective. The required concentration will depend on the material being treated and the level of contamination present. Matrix effects that can impact the efficacious level of NALCO T74A6-M are pH, organic load, exposure time and type of contamination. To determine the exact dosage for a given application you will need to test it within your own system.

**Note:** For preservative applications in coating formulations and in component slurries and emulsions used in the production of paper and paperboard and in coatings for paper and paperboard, dosage may not exceed 500 ppm product.

### PAPERMILLS

For control of bacterial, fungal, and yeast deposits in pulp, paper, and paperboard mills, add NALCO T74A6-M at the rate of 0.114 – 0.384 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. NALCO T74A6-M must be added with a metering pump at a location that will insure uniform distribution in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls, and white water tanks.

HEAVILY FOULED SYSTEMS must be boiled out, then treated with 0.114 – 0.384 pints per ton (0.15 – 0.50 lb/ton) of pulp or paper (dry basis) as necessary for control.

MODERATELY FOULED SYSTEMS must be treated continuously with 0.264 – 0.384 pints (0.35 – 0.50 pounds) of NALCO T74A6-M per ton of paper (dry basis) until the deposit accumulation is controlled. Addition rates can then be reduced to 0.114 – 0.264 pints per ton (0.15 – 0.35 lb/ton) of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the machine may be advisable.

SLIGHTLY FOULED SYSTEMS must be treated continuously with 0.114 – 0.264 pints (0.15 – 0.35 pounds) of NALCO T74A6-M per ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

### LIQUID CONCENTRATES

DESCRIPTION: NALCO T74A6-M is a preservative, which effectively inhibits the growth of microorganisms in emulsions, coatings, waxes, polishes, sizing, caulk, ink, adhesive, and pigment slurries.

TYPICAL USE LEVELS: Laboratory testing and customer use shows NALCO T74A6-M is typically effective when applied at concentrations shown below. The exact amount necessary for the preservation of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by actual testing. All concentrations are based on the total formulation weight.

#### EFFECTIVE CONCENTRATION

Latex Emulsions	0.05 – 0.8%
Adhesives	0.05 – 0.8%
Waxes, Polishes and Ink	0.05 – 0.4%
Pigment Slurries	0.04 – 0.9%
Aqueous Paints and Coatings	0.08 – 0.3%

Notice: Do not ship or store with foods, feeds, drugs or clothing.

### METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeast that may deteriorate metalworking fluids containing water, add Nalco T74A6-M to the fluid collection tank. Additions must be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gallons Nalco T74A6-M per 1000 gallons of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gallons Nalco T74A6-M per 1000 gallons of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

**NOTE:** Add Nalco T74A6-M separately to the system. Do not mix it with other additives, in order to avoid decomposition of Nalco T74A6-M due to the high pH of many additive formulations.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

STORAGE: To maintain product quality, store at temperatures below 60<sup>0</sup> C. Keep container tightly closed when not in use.

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.

#### (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 rinsate into application equipment or rinsate 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 by other procedure approved by state and local authorities.

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

**Container Handling:** 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 the 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 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, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

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

**Container Handling:** 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. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

EPA REG. NO. 1706-138  
EPA EST. NO. 1706-PA-1  
EPA EST. NO. 1706-WA-1

This product may be patented • Ce produit peut être breveté • Este producto puede ser patentado: [www.ecolab.com/patents](http://www.ecolab.com/patents)

Nalco Company, LLC  
1601 West Diehl Road  
Naperville, IL 60563-1198

Emergency Phone No.: (800) 424-9300

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER.

[Batch/Lot Number: \_\_\_\_\_]

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

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

