

1706-153

12/28/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

DEC 28 2010

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Juli Mann
Paralegal Specialist for,
c/o Nalco Company
Steptoe & Johnson LLP
1330 Connecticut Avenue, NW
Washington, D.C. 20036-1795

Subject: Nalco F78L7-M
EPA Registration Number 1706-153
Your Amendment Dated October 8th, 2010
EPA Received Date October 8th, 2010

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to update the product label, the basic formulation, and obtain approval of two alternate formulations, is acceptable.

The Confidential Statements of Formula dated October 19, 2010, for the basic and alternate formulations are acceptable.

The Confidential Statements of Formula and for the new updated label have the same nominal.

A stamped copy of the labeling is enclosed.

If you have questions concerning this letter, please contact Karen M. Leavy at (703)-308-6237.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Swindell".

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division(7510P)



Nalco F78L7-M

CAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE OR SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. Do not get in eyes, on skin or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Mixers, loaders, and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. Do not apply this product in a way that will contact workers or other persons.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, rivers, 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

STORAGE AND DISPOSAL

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

(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. 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 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 1/4 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. 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 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 1/4 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.

A MICROBIOCIDAL FOR CONTROL OF BACTERIA, FUNGI AND ALGAE IN RECIRCULATING WATER COOLING TOWERS, INDUSTRIAL PROCESS WATER WASHING SYSTEMS, BREWERY PASTEURIZERS, PAPERMILL WATERS, FOOD AND SOLUTION PRESERVATION, COATING PRESERVATION, DISPERSED PRESERVATION, ULTRAFILTRATION UNITS, REVERSE OSMOSIS MEMBRANE SYSTEMS, ELECTRODEPOSITION SYSTEMS, OIL FIELD INJECTION METALWORKING FLUIDS, AND HYDRAULIC FLUIDS

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one.....	1.1%
2-Methyl-4-isothiazolin-3-one.....	0.4%
INERT INGREDIENTS.....	98.5%
TOTAL.....	100.0%

This product contains the active ingredients at 0.127 pounds per gallon.

KEEP OUT OF REACH OF CHILDREN

DANGER

PELIGRO

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 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 for 15 minutes or until it is judged that nearly all of the contamination has been removed.
- 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, 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 mucous membrane damage may contraindicate lavage.

Have the product and, if available, the product container or label with you when you go for treatment.

ACCEPTED
with COMMENTS

EPA Label Dated: JANUARY 1, 2002

DEC 28 2010

Nalco Company

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1706-153
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

Net Contents Shown Elsewhere on Container

HUMANS AND DOMESTIC

3 EYE DAMAGE OR SKIN
SORBED THROUGH SKIN. Do
ated skin contact may cause allergic
this product must wear: long-sleeved
rubber; shoes plus socks; goggles and
r absorbent materials that have been
e. Do not reuse them. Follow
instructions for washables exist, use
r laundry. Users should wash hands
oilet. Users should remove clothing
clean clothing. Users should remove
clothes before removing. As soon as
contact workers or other persons.

DS
nt containing this product into lakes,
e with the requirements of a National
mitting authority has been notified in
is product to sewer systems without
ice contact your State Water Board or
g of equipment or disposal of waste.

ZARDS
ined metal containers.

L
isposal. Open dumping is prohibited.
s pesticide, spray mixture, or rinsate is
by use according to label instructions
Hazardous Waste representative at the

ith pesticide only. Do not reuse this
al disposal is the responsibility of the
possibility of the refiller. To clean the
is container into application equipment
ate vigorously or recirculate water with
quipment or rinsate collection system.
ling, if available, or reconditioning, or
proved by state and local authorities.

ess:)
ll this container. Offer for recycling, if
tying. Triple rinse as follows: Empty
s container ¼ full with water. Replace
ng at least one complete revolution, for
several times. Turn the container over
rinsate into application equipment or a
edure two more times. Then offer for
of in a sanitary landfill, or by other

Container

55, Corrosive Liquid, Acidic, Organic, N.O.S. (Isothiazolinone Microbiocide), 8, II



Nalco F78L7-M

A MICROBIOCIDAL FOR CONTROL OF BACTERIA, FUNGI AND ALGAE IN INDUSTRIAL
RECIRCULATING WATER COOLING TOWERS, INDUSTRIAL PROCESS WATER SYSTEMS, AIR
WASHER SYSTEMS, BREWERY PASTEURIZERS, PAPERMILL WATERS, POLYMER LATEX
AND SOLUTION PRESERVATION, COATING PRESERVATION, DISPERSED PIGMENT
PRESERVATION, ULTRAFILTRATION UNITS, REVERES OSMOSIS MEMBRANES, PERIPHERAL
SYSTEMS, ELECTRODEPOSITION SYSTEMS, OIL FIELD INJECTION WATERS,
METALWORKING FLUIDS, AND HYDRAULIC FLUIDS

ACTIVE INGREDIENTS:	
5-Chloro-2-methyl-4-isothiazolin-3-one.....	1.1%
2-Methyl-4-isothiazolin-3-one.....	0.4%
INERT INGREDIENTS.....	98.5%
TOTAL.....	100.0%

This product contains the active ingredients at 0.127 pounds per gallon

KEEP OUT OF REACH OF CHILDREN
DANGER **PELIGRO**

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 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 for at least 15 minutes or until it is judged that nearly all of the contamination has been removed.
• 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.
If available, the product container or label with you when calling a poison control center or doctor for treatment advice.

ACCEPTED
with COMMENTS
EPA Letter Dated:

ADDITIONAL PRECAUTIONARY STATEMENTS.

DEC 28 2010

Nalco Company

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1706-153
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

DIREC

It is a violation of Federal Law to use this

INDUSTRIAL COOLING TOWER SY
(Such as pretreatment systems and pre and/or paint reduction.) For control of tower basin, distribution box or some Badly fouled systems must be precleaned

INITIAL DOSE: When the system is no ounces) of NALCO F78L7-M per 1000 achieved.

SUBSEQUENT DOSE: When microbia ounces) of NALCO F78L7-M per 1000 maintain control.

INDUSTRIAL RECIRCULATING
For the control of bacteria, algae a recirculating line or some other point in

INITIAL DOSE: When the system is no ounces) of NALCO F78L7-M per 1000 achieved.

SUBSEQUENT DOSE: When micro F78L7-M (0.3 to 1.86 pounds or 4.5 to of in the system) weekly or as needed cleaned before treatment is begun.

AIR WASHER SYSTEM
For control of bacteria, algae and fungi uniform mixing can occur such as the SYSTEMS THAT MAINTAIN EFFEC fouled systems must be precleaned befo

INITIAL DOSE: When the system is r ounces) of NALCO F78L7-M per 10 achieved.

SUBSEQUENT DOSE: When microbi ounces) of NALCO F78L7-M per 100 control.

NALCO F78L7-M is recommended production of paper.

POINT OF ADDITION: NALCO F78 uniform mixing such as the Beater, Hy

DOSAGE: Apply 0.44 to 1.5 lbs. (7 basis) of pulp or paper produced as a s should be cleaned before initial treatme

POLYMER LATEX
NALCO F78L7-M is recommended for storage of synthetic and natural styrene/butadiene; carboxylated styre

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NALCO

78L7-M

OF BACTERIA, FUNGI AND ALGAE IN INDUSTRIAL
NG TOWERS, INDUSTRIAL PROCESS WATER SYSTEMS, AIR
PASTEURIZERS, PAPERMILL WATERS, POLYMER LATEX
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or a doctor for further treatment advice.

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available, the product container or label with you when calling a poison
going for treatment.

ADDITIONAL PRECAUTIONARY STATEMENTS.

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300
No. 1706-153

azolinone Microbiocide), 8, II

DIRECTIONS FOR USE

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

INDUSTRIAL COOLING TOWER SYSTEMS AND PROCESS WATER SYSTEMS
(Such as pretreatment systems and process waters used for washing metal or plastic parts and/or paint reduction.) For control of bacteria, fungi and algae, add NALCO F78L7-M to the tower basin, distribution box or some other point in the system to insure uniform mixing. Badly fouled systems must be precleaned before treatment is begun.

INITIAL DOSE: When the system is noticeably fouled apply 2.46 to 7.46 lbs. (37 to 113 fluid ounces) of NALCO F78L7-M per 1000 gallons of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 1.26 to 1.86 lbs. (19 to 28 fluid ounces) of NALCO F78L7-M per 1000 gallons of water in the system weekly or as needed to maintain control.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS

For the control of bacteria, algae and fungi add NALCO F78L7-M to the reservoir, recirculating line or some other point in the system to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 1.26 to 7.46 lbs. (19 to 113 fluid ounces) of NALCO F78L7-M per 1000 gallons of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm NALCO F78L7-M (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of NALCO F78L7-M per 1000 gallons of in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

AIR WASHER SYSTEMS AND BREWERY PASTEURIZERS

For control of bacteria, algae and fungi, add NALCO F78L7-M to a point in the system where uniform mixing can occur such as the basin. FOR USE IN INDUSTRIAL AIR WASHER SYSTEMS THAT MAINTAIN EFFECTIVE MIST ELIMINATING COMPONENTS. Badly fouled systems must be precleaned before treatment is begun.

INITIAL DOSE: When the system is noticeably fouled, add 1.26 to 7.46 lbs. (19 to 113 fluid ounces) of NALCO F78L7-M per 1000 gallons of system water. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.3 to 1.86 lbs. (4.5 to 28 fluid ounces) of NALCO F78L7-M per 1000 gallons system water weekly or as needed to maintain control.

PAPERMILL WATERS

NALCO F78L7-M is recommended for the control of bacterial and fungal slime in the production of paper.

POINT OF ADDITION: NALCO F78L7-M should be added to a point in the system to insure uniform mixing such as the Beater, Hydrolpulper, or Fan or Broke Storage Pumps.

DOSAGE: Apply 0.44 to 1.5 lbs. (7 to 23 fluid ounces) of NALCO F78L7-M per ton (dry basis) of pulp or paper produced as a slug dose. If needed repeat daily. Badly fouled systems should be cleaned before initial treatment.

POLYMER LATEX AND SOLUTION PRESERVATION

NALCO F78L7-M is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer lattices and solutions including: acrylic; styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate; and biopolymers

For industrial use, such as xanthan gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymers.

Add 0.43 – 3.3 lbs. of NALCO F78L7-M (195 g. – 1.5 kg.) to each 1,000 lbs. (453.6 kg.) of emulsion or solution to provide 425 to 3,350 ppm product (6.25 to 50 ppm active isothiazolones).

NOTE: To insure uniform mixing, add NALCO F78L7-M to latex or solutions slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected, and level of synthetic fiber finish coatings.

COATING PRESERVATION

NALCO F78L7-M is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings or synthetic fiber finish coatings.

Add 0.43 – 1.65 lbs. of NALCO F78L7-M (195 – 750 g.) to each 1,000 lbs. (453 kg.) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

DISPERSED PIGMENT PRESERVATION

NALCO F78L7-M is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paper production.

Add 0.43 – 1.65 lbs. of NALCO F78L7-M (195 – 750 g.) to each 1,000 lbs. (453 kg.) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

ULTRA-FILTRATION UNITS, REVERSE OSMOSIS MEMBRANES AND PERIPHERAL SYSTEMS:

For controlling bacterial fouling of ultra-filtration units, non-medical or non-potable 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 should be made with a metering pump on a continuous 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 ultra-filtration units and reverse osmosis membranes, both permeate and reject water should be directed to the drain. Once treatment has been completed, rinsing with feedwater should be continued until conductivity values in the permeate are at or below values before treatment with this product.

FOR CONTROL OF BACTERIAL FOULING

When the system is noticeably fouled, add 2.75-16.5 fluid ounces Nalco® F78L7-M per 1000 gallons of feedwater (20-130 ppm). Product should be fed continuously for a time period of 1 to 24 hours 7 days each week depending on the severity of the problem. For off-line cleaning, Nalco® F78L7-M should be added to provide a level of 100-400 ppm (13.75-55 fluid ounces per 1000 gallons in the soak tank.)

ELECTRODEPOSITION SYSTEMS

For control of bacteria, and fungi in Electrodeposition Systems (such as automotive or industrial equipment systems) slug feed NALCO F78L7-M at a rate of 1 gallon per 1000 gallons of paint in the system (1000 ppm) as needed, depending upon results of cultures taken from the system.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm NALCO F78L7-M (1.26 to 7.46 pounds or 19 to 113 fluid ounces of NALCO F78L7-M per 1000 gallons of water in the system). Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm NALCO F78L7-M (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces per 1000 gallons of water in the system) or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm NALCO F78L7-M (1.26 to 7.46 pounds or 19 to 113 fluid ounces of NALCO F78L7-M per 1000 gallons of water in the system).

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm NALCO F78L7-M (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces per 1000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment.

OILFIELD INJECTION WATERS:

For the control of slime forming bacteria and sulfate reducing bacteria in oilfield injection waters, treat with 67-332 ppm NALCO F78L7-M depending on the severity of contamination.

INITIAL DOSE: Add 166-332 ppm NALCO F78L7-M (6.9-13.9 gallons of NALCO F78L7-M per 1000 barrels of water) at a point in the system where it will be uniformly distributed. Repeat treatment after three days or as needed until control is achieved.

SUBSEQUENT DOSE: Add 67-166 ppm NALCO F78L7-M (2.8-6.9 gallons of NALCO F78L7-M per 1000 barrels of water) every seven days or as needed to maintain control.

METALWORKING FLUIDS

NALCO F78L7-M is recommended for the control of bacteria and fungi in emulsifiable-type aqueous metalworking fluids.

For the maintenance of a nonfouled system, use NALCO F78L7-M at 32 fluid ounces per 1000 gallon of emulsion (2 pound) every 4 weeks or 32-154 fluid ounce per 1000 gallons (2-10 pound) every 8-12 weeks.

For a noticeably fouled system use an initial dose of 64-154 fluid ounce per 1000 gallons of emulsion (4-10 pound) to be followed by subsequent maintenance dosages depending on the treatment interval noted above. A higher dosage range and/or increased frequency may be required depending upon rate of dilution of the preservative with makeup water, the nature and severity of contamination, level of control required, filtration effectiveness, etc.

The preservative should be dispensed into the use-dilution of the metalworking fluid through a metering pump.

HYDRAULIC FLUIDS

NALCO F78L7-M is recommended as a preservative for use in the manufacture and storage of high water-based hydraulic fluids and invert emulsion hydraulic fluid types. Add NALCO F78L7-M to emulsifying 40% by volume water in 60% by volume of mineral oil used in hydraulic fluids to emulsifying agent.

For the maintenance of a nonfouled system, use NALCO F78L7-M at 113 fluid ounces (7.2-8.8 pound) per 1000 gallon fluid every 3 weeks. For a noticeably fouled system, use an initial dose of 135-235 fluid ounce (8.8-15.4 pound) per 1000 gallon fluid followed by subsequent maintenance dosages. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

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QUENT DOSE: When microbial control is evident, add 35 to 219 ppm NALCO F78L7-M (1.86 pounds or 4.5 to 28 fluid ounces per 1000 gallons of water in the system). Weekly feed to maintain control. Badly fouled systems must be cleaned before treatment is

INUOUS FEED METHOD

L DOSE: When the system is noticeably fouled, apply 148 to 883 ppm NALCO F78L7-M (7.46 pounds or 19 to 113 fluid ounces of NALCO F78L7-M per 1000 gallons of water system).

QUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 to 219 NALCO F78L7-M (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces per 1000 gallons of water). Badly fouled systems must be cleaned before initial treatment.

OILFIELD INJECTION WATERS:

Control of slime forming bacteria and sulfate reducing bacteria in oil field waters, slug with 67-332 ppm NALCO F78L7-M depending on the severity of contamination.

AL DOSE: Add 166-332 ppm NALCO F78L7-M (6.9-13.9 gallons or 58.0-116.8 lbs. 100 barrels of water) at a point in the system where it will be uniformly mixed. Repeat treatment after three days or as needed until control is achieved.

REQUENT DOSE: Add 67-166 ppm NALCO F78L7-M (2.8-6.9 gallons or 23.5-58.0 or 1000 barrels of water) every seven days or as needed to maintain control.

METALWORKING FLUIDS

NALCO F78L7-M is recommended for the control of bacteria and fungi in soluble and insoluble-type aqueous metalworking fluids.

For the maintenance of a nonfouled system, use NALCO F78L7-M at 32 fluid ounce per 1000 gallons of emulsion (2 pound) every 4 weeks or 32-154 fluid ounce per 1000 gallon emulsion (8.8 pound) every 8-12 weeks.

In a noticeably fouled system use an initial dose of 64-154 fluid ounce per 1000 gallon emulsion (4-10 pound) to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the use-dilution of the metalworking fluid using a metering pump.

HYDRAULIC FLUIDS

NALCO F78L7-M is recommended as a preservative for use in the manufacture and use of water-based hydraulic fluids and invert emulsion hydraulic fluid typically prepared by dispersing 40% by volume water in 60% by volume of mineral oil using an oil-soluble dispersing agent.

For the maintenance of a nonfouled system, use NALCO F78L7-M at 110-135 fluid ounce (8.8 pound) per 1000 gallon fluid every 3 weeks. For a noticeably fouled system, use an initial dose of 135-235 fluid ounce (8.8-15.4 pound) per 1000 gallon fluid to be followed by subsequent maintenance dosages. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the use-dilution of hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

EPA REG. NO. 1706-153

EPA Establishment numbers may include the following. (Letters in parentheses that match the batch number identify the establishment number.)

1706-CA-1 (CR); 1706-CN-1 (BU);
1706-IL-1 (BP); 1706-LA-1 (GV); 1706-PA-1 (EL);
1706-WA-1 (VW); 68708-OK-1 (TU);
68708-TX-1 (SL); 68708-TX-3 (DS)

ACCEPTED
with COMMENTS
EPA Letter Dated

DEC 28 2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pest control registered under EPA Reg. No. 1706-153

lent, add 35 to 219 ppm NALCO F78L7-M
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NALCO F78L7-M per 1000 gallons of water

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ON WATERS:

ate reducing bacteria in oil field waters, slug
ng on the severity of contamination.

78L7-M (6.9-13.9 gallons or 58.0-116.8 lbs.
m where it will be uniformly mixed. Repeat
ol is achieved.

CO F78L7-M (2.8-6.9 gallons or 23.5-58.0
r as needed to maintain control.

ING FLUIDS

ontrol of bacteria and fungi in soluble and

NALCO F78L7-M at 32 fluid ounce per 1000
2-154 fluid ounce per 1000 gallon emulsion

e of 64-154 fluid ounce per 1000 gallon
quent maintenance dosages depending upon the
e range and/or increased frequency of treatment
1 of the preservative with makeup fluid, the
ontrol required, filtration effectiveness, system

use-dilution of the metalworking fluid using a

LIC FLUIDS

servative for use in the manufacture and use of
emulsion hydraulic fluid typically prepared by
by volume of mineral oil using an oil-soluble

Use NALCO F78L7-M at 110-135 fluid ounce
8 weeks. For a noticeably fouled system, use an
ound) per 1000 gallon fluid to be followed by
 dosage range and/or increased frequency of
ate of dilution of the preservative with the makeup
mination, level of control required, filtration
vative should be dispensed into the use-dilution of
d uniformly dispersed throughout the system.

EPA REG. NO. 1706-153

EPA Establishment numbers may include the following. (Letters in () that match the prefix in
batch number identify the establishment number.)

1706-CA-1 (CR); 1706-CN-1 (BU);
1706-IL-1 (BP); 1706-LA-1 (GV); 1706-PA-1 (EL);
1706-WA-1 (VW); 68708-OK-1 (TU);
68708-TX-1 (SL); 68708-TX-3 (DS)

ACCEPTED
with **COMMENTS**
EPA Letter Dated

DEC 28 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide
amended, for the pest
registered under EPA Reg. No. **1706-153**