

**PRECAUTIONARY 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 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.
METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
PLASTIC CONTAINERS: Do not reuse empty container. Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Do not apply this product in a way that will contact workers or other persons.

DIRECTIONS FOR USE

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

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

For the control of bacteria, algae and fungi add H-510-M Microbiocide to the tower basin, distribution box or some other point to ensure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm H-510-M Microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of H-510-M Microbiocide 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 H-510-M Microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces per 1000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Revised: 10/01/01



**H-510-M
MICROBIOCIDE**

INDUSTRIAL MICROBIOCIDE FOR USE IN RECIRCULATING WATER COOLING TOWERS, AIR WASHER SYSTEMS, OILFIELD INJECTION WATERS, ELECTRODEPOSITION SYSTEMS, PAPERMILL SLIMICIDE AND BUILDING MATERIAL PRESERVATION

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazalin-3-one.....	1.11%
2-Methyl-4-isothiazalin-3-one.....	0.39%
INERT INGREDIENTS.....	98.5%
TOTAL.....	100.00%

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

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. 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 by a poison control center or doctor.
- **IF ON SKIN:** 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or ambulances, 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.

This product contains the active ingredients at 0.127 pounds per gallon

EPA Reg. No. 1706-201

EPA Est. No. 10445-PA-01

ACCEPTED ONDEO Nalco Company
 Ondeo Nalco Center
 Naperville, IL 60563-1198
 EMERGENCY PHONE NO.: (800) 424-9300
 NOV 02 2001
 Under the Federal Insecticide, Fungicide, and
 Rodenticide Act as amended, this product is
 pesticide, registered under
 EPA Reg. No. 1706-201

Corrosive Liquid, Acidic, Organic, N.O.S. (Isothiazolinone Microbiocide), 8, UN 3265, II

1706-201
1008-201
N-2-2001

1/2

Directions for use (continued)

AIR WASHER SYSTEMS

For use only in industrial air washer systems that maintain effective mist eliminating components. Add to the air washer sump or chill water sump to insure uniform mixing, 35 to 883 ppm H-510-M Microbiocide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of H-510-M Microbiocide per 1000 gallons of water in the system) depending upon the severity of contamination to control bacteria, fungi and algae which cause fouling in industrial air washer systems.

ELECTRODEPOSITION SYSTEMS

For control of bacteria and fungi in Electrodeposition Systems (such as automotive or industrial equipment systems) slug feed H-510-M Microbiocide 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 H-510-M Microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of H-510-M Microbiocide 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 H-510-M Microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces per 1000 gallons of water in the system) weekly 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 H-510-M Microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of H-510-M Microbiocide per 1000 gallons of water in the system).

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm H-510-M Microbiocide (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 and sulfate-reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids, drilling, fracturing and completion fluids, slug treat with 67-332 ppm H-510-M Microbiocide depending on the contamination.

INITIAL DOSE: Add 116-332 ppm H-510-M Microbiocide (6.9-13.9 gallons H-510-M Microbiocide per 1000 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.

SUBSEQUENT DOSE: Add 67-166 ppm H-510-M Microbiocide (2.8-6.9 gallons or 23.5-58.0 lbs H-510-M Microbiocide per 1000 barrels of water) every seven days or as needed to maintain control.

PAPERMILL SLIMICIDE

H-510-M Microbiocide is recommended for the control of bacterial and fungal slime in the production of paper. This product is approved by the Food and Drug Administration for use as a slimicide (21CFR176.300) and as an antimicrobial agent for fillers, binders, pigment slurries, sizing solutions, and coating formulations used in the manufacture of paper and paperboard that contacts food (21CFR176.170).

POINT OF ADDITION: H-510-M Microbiocide should be added to a point in the system to insure mixing, such as the beater, hydropulper, or fan or broke storage pumps.

DOSAGE: H-510-M Microbiocide is recommended for the control of bacteria and fungi for water based-paper coating formulations and additives used in the manufacture of paper and paperboard such as fillers, binders, clay slurries, calcium carbonate slurries, titanium dioxide slurries, pigment slurries and sizing solutions. Add 0.43-1.63 lbs. H-510-M Microbiocide (195-750g) to each 1000 lbs. (453 Kg) of fluid to provide 425-1675 ppm of product (6.25 to 25 ppm active isothiazolin). As a papermill slimicide, apply 0.44 to 1.5 lbs. (7-23 fl. oz.) of H-510-M Microbiocide 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.

BUILDING MATERIAL PRESERVATION

H-510-M Microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in the following building materials: mastics, caulks, joint cements, spackling, and grouting. Add 0.43-1.63 pounds of H-510-M Microbiocide (195-750 grams) to each 1000 pounds (453 kilograms) of fluid to provide 425-1675 ppm product (6.25 to 25 ppm active isothiazolines).