

KATHON[®] 886 MW 1.5%

Made in USA

Avg. Gross: LB KG
 Net: LB KG
 Avg. Tare: LB KG

Product Code

ACCEPTED

JUL 25 2003

Label Number
 886MWEP A
 04/22/02

**Industrial Microbicide for use in Metalworking and Hydraulic Fluids
 Polymer Latices, Adhesives, Paints, Tackifiers, Dispersed Pigments,
 Building Materials, Metal Cleaning Fluids, and Photoprocessing Systems**



Lot Number
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ACTIVE INGREDIENTS:	
5-Chloro-2-methyl-4-isothiazolin-3-one	1.11%
2-Methyl-4-isothiazolin-3-one	0.39%
INERT INGREDIENTS:	
	98.5%
Total:	100.0%
KEEP OUT OF REACH OF CHILDREN DANGER FIRST AID	
IF ON SKIN:	<ul style="list-style-type: none"> •Take off contaminated clothing. •Rinse skin immediately with plenty of water for 15-20 min. •Call a poison control center or doctor for advice.
IF IN EYES:	<ul style="list-style-type: none"> •Hold eye open and rinse slowly and gently with water for 15-20 min. •Remove contact lenses, if present, after first 5 min. then continue rinsing eye. •Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> •Move person to fresh air. •If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. •Call a poison control center or doctor for advice.
IF SWALLOWED:	<ul style="list-style-type: none"> •Call a poison control center or doctor immediately for advice. •Do not induce vomiting unless told to do so by a poison control center or doctor. •Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary. SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.	

**PRECAUTIONARY STATEMENTS
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER
 CORROSIVE
 CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS
 MAY CAUSE ALLERGIC SKIN REACTION
 MAY BE HARMFUL IF INHALED
 MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN**

Do not get in eyes, on skin, or on clothing. 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 this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS
 This product is toxic to aquatic plants, fish and aquatic invertebrates. 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. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

STORAGE AND DISPOSAL PROHIBITIONS
 Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Do not apply this product in a way that will contact workers or other persons.

PESTICIDE DISPOSAL
 Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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.

CONTAINER DISPOSAL 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
 Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL
 CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

CONDITIONS OF SALE AND WARRANTY
 Rohm and Haas warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions and as defined under the Directions for Use on this label. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, EITHER OF MERCHANTABILITY OR FITNESS, FOR A PARTICULAR USE. Handling, storage, and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow directions will be assumed by the Buyer or User. TO THE EXTENT PERMITTED BY LAW, NEITHER ROHM AND HAAS NOR SELLER SHALL BE LIABLE FOR CONSEQUENTIAL SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.

Date of Manufacture: location for date
 EPA Reg. No. 707-134
 EPA Est. No: establishment number.

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

METALWORKING FLUIDS
 Kathon 886 MW 1.5% microbicide is recommended for the control of bacteria and fungi in soluble and emulsifiable-type aqueous metalworking fluids.
 For the maintenance of a non-fouled system, use Kathon 886 MW 1.5% microbicide at 32 fluid ounce per 1000 gallon of emulsion (2 pound) every 4 weeks or 32-154 fluid ounce per 1000 gallon emulsion (2-10 pound) every 8-12 weeks.
 For 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 and uniformly dispersed throughout the system.

HYDRAULIC FLUIDS
 Kathon 886 MW 1.5% microbicide is recommended as a preservative for use in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume of mineral oil using an oil-soluble emulsifying agent.
 For the maintenance of a non-fouled system, use Kathon 886 MW 1.5% microbicide at 110-135 fluid ounce (7.2-8.8 pound) per 1000 gallon fluid every 8 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 dosage.

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 hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

POLYMER LATEX PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: acrylic, styrene/butadiene, carboxylated styrene/butadiene, ethylene/vinyl acetate; biopolymers intended for industrial use, such as xanthan gum, guar gum, guar gum, protein-derived polymers, starches, casein-derived polymers latices; and solution polymers. Add 0.43-3.3 pound of Kathon 886 MW 1.5% (195 gram-1.5 kilogram) to each 1000 pound (453 kilogram) of emulsion to provide 425-3350 ppm product (6.25-50 ppm active isothiazolones).

NOTE: To insure uniform mixing, add Kathon 886 MW 1.5% to latex or solutions slowly with agitation. The actual required concentrations will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected, and level of production required.

ADHESIVE AND TACKIFIER PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene butadiene and acrylic latices. Kathon 886 MW 1.5% is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins. Add 0.43-1.65 pound of Kathon 886 MW 1.5% (195-750 gram) to each 1000 pound (453 kilogram) of fluid to provide 425-1675 ppm (6.25-25 ppm active isothiazolones).

PAINT AND COATING PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings and paints used for architectural product finishes, and special-purpose coatings. Add 0.43-1.65 pound of Kathon 886 MW 1.5% (195-750 gram) to each 1000 pound (453 kilogram) of fluid to provide 425-1675 ppm product (6.25-25 ppm active isothiazolones).

BUILDING MATERIAL PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling, and grouting. Add 0.43-1.65 pound of Kathon 886 MW 1.5% microbicide (195-750 gram) to each 1000 pound (453 kilogram) of fluid to provide 425-1675 ppm product (6.25 to 25 ppm active isothiazolones).

DISPERSED PIGMENT PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin and montmorillonite clays, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paint and paper productions. Add 0.43-1.65 pound of Kathon 886 MW 1.5% (195-750 gram) to each 1000 pound (453 kilogram) of fluid to provide 425 to 1675 ppm product (6.25-25 ppm active isothiazolones).

COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended to prevent slime formation or accumulation in filters and ion exchange resin tanks of commercial photoprocessing systems. For the maintenance of a non-fouled system, use Kathon 886 MW 1.5% at 32-64 fluid ounce (2.1-4.2 pound) per 1000 gallon water in the system once weekly, or as needed, to maintain control of slime. For a noticeably fouled system, use an initial dose of 64-154 fluid ounce (4.2-10.1 pound) per 1000 gallon water to be followed by subsequent maintenance dosage. A high dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of 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 final rinse or used water collection tank.

METAL CLEANING FLUID PRESERVATION
 Kathon 886 MW 1.5% microbicide is recommended as a preservative for use in the manufacture and use of alkaline, acid and emulsion-based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing, and general metal cleaning operations. For addition to a metal cleaning concentrate, add Kathon 886 MW 1.5% at a level to ensure that the final use-dilution fluid will contain 425-1675 ppm product (6.25-25 ppm active isothiazolones). For direct addition to a fouled system, add 54-214 fluid ounce (3.6-14.1 pound) of Kathon 886 MW 1.5% to each 1000 gallon of use-dilution metal cleaning fluid every 3-4 weeks to provide 425-1675 ppm product (6.25-25 ppm active isothiazolones). A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with make-up 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 metal cleaning fluid using a metering pump and uniformly dispersed throughout the system.

PHOTOPLATE PROCESSING, FOUNTAIN SOLUTIONS, AND INK/INK COMPONENTS
 Kathon 886 MW 1.5% microbicide is recommended for the control of bacteria and fungi in photoplate processing such as stabilizer solutions and in fountain solutions. Kathon 886 MW 1.5% microbicide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. Kathon 886 MW 1.5% is recommended for the control of bacterial and fungi in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners. Kathon 886 MW 1.5% microbicide should be added to achieve the recommended dosage range for ink components, fountain solutions and photoplate processing chemicals of 0.1% to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2% to 0.5%; the optimum level range for neutral fountain solutions is 0.5% to 0.8%. A level adjustment may be necessary to accommodate the slight change in solution formulations.
NOTE: To insure uniform mixing, add Kathon 886 MW 1.5% microbicide to latex or solution 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 protection required.

Kathon 886 MW 1.5% microbicide weighs 8.4 pound/gallon.

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7-25-2003

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