

707-129 4/17/2006
KATHON® 886 MW

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



Lot Number ()

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one 10.4%
 2-Methyl-4-isothiazolin-3-one 3.7%

INERT INGREDIENTS:

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

IF ON SKIN:

- 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:

- 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:

- 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:

- 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 THE ENVIRONMENT

DANGER
CORROSIVE
 CAUSES IRREVERSIBLE EYE DAMAGE
 MAY BE FATAL IF ABSORBED THROUGH SKIN
 MAY CAUSE ALLERGIC SKIN REACTION
 HARMFUL IF INHALED

Do not get in eyes, on skin, or on clothing. Mix in a long sleeved shirt and long pants; chemical resistant face shield; and chemical resistant apron. Discard heavily contaminated with this product's concentration cleaning/maintaining PPE. If no such instructions are given, clean PPE separately from other laundry. Users should use the toilet. Users should remove clothing immediately. Users should remove PPE immediately. As soon as possible, wash thoroughly with soap and water.

ENVIRONMENTAL HAZARDS

This chemical is toxic to aquatic plants, fish and shellfish. Do not discharge into lakes, streams, ponds, estuaries, oceans, or navigable waters. If discharge is unavoidable, use the National Pollutant Discharge Elimination System (NPDES) permit program. Write prior to discharge. Do not discharge effluent into the local sewage treatment plant authorized by the EPA. Do not contaminate water by cleaning of equipment specified on this label.

DIRECTIONS FOR USE

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

POLYMER LATEX PRESERVATION

Kathon 886 MW microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latexes including: acrylic; styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate; and biopolymers intended for industrial use, such as a xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymers. Add 0.044-0.355 pound Kathon 886 MW microbicide (20-161 gram) to each 1000 pound (453 kilogram) of fluid to provide 44 to 355 ppm product (6.25-50 ppm active isothiazolones).

NOTE: To ensure uniform mixing, add Kathon 886 MW microbicide 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 production required.

ADHESIVE AND TACKIFIER PRESERVATION

Kathon 886 MW 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 latexes, polyvinyl acetate, styrene butadiene, and acrylic latexes. Kathon 886 MW microbicide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins. Add 0.044-0.177 pound of Kathon 886 MW microbicide (20-80 gram) to each 1000 pound (453 kilogram) of fluid to provide 44 to 177 ppm product (6.25-25 ppm active isothiazolones).

PAINT AND COATING PRESERVATION

Kathon 886 MW 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 0.044-0.177 pound of Kathon 886 MW microbicide (20-80 gram) to each 1000 pound (453 kilogram) of fluid to provide 44 to 177 ppm product (6.25-25 ppm active isothiazolones).

BUILDING MATERIAL PRESERVATION

Kathon 886 MW 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 0.044-0.177 pound of Kathon 886 MW microbicide (20-80 gram) to each 1000 pound (453 kilogram) of fluid to provide 44 to 177 ppm product (6.25-25 ppm active isothiazolones).

DISPERSED PIGMENTS

Kathon 886 MW microbicide is recommended as an in-container preservative for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paint and paper productions. Add 0.044-0.177 pound of Kathon 886 MW microbicide (20-80 gram) to each 1000 pound (453 kilogram) of fluid to provide 44 to 177 ppm product (6.25-25 ppm active isothiazolones).

METALWORKING FLUIDS

Kathon 886 MW microbicide is recommended for the control of bacteria and fungi in oil soluble metalworking fluids.

For the maintenance of metalworking fluids, add 2.7 fluid ounces of Kathon 886 MW microbicide to 4 fluid ounces of emulsion every 4 weeks. For a 1000 gallon of emulsion product (4-17.5 ppm active isothiazolones), use an initial dose of 1000 ppm active isothiazolones. Increase maintenance dosages depending upon rate of dilution of the fluid and severity of contamination. Filtration effectiveness, so be dispensed as an additive to metalworking fluid using and uniformly dispersed.

METAL CLEANING FLUIDS

Kathon 886 MW microbicide is recommended for use in the manufacture of metal cleaning fluids typically used for galvanizing, and general cleaning.

In addition to a metal cleaning fluid, add 2.7 fluid ounces of Kathon 886 MW microbicide to 4 fluid ounces of emulsion every 4 weeks to ensure that the fluid contains 1000 ppm product (6.25 to 25 ppm active isothiazolones).

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

Product Code (91)

2 8 3



Lot Number ()

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

**STORAGE AND DISPOSAL
 PESTICIDE STORAGE**

Do not contaminate water, food or feed by storage, disposal or contact workers or other persons.

PHYSICAL AND CHEMICAL HAZARDS

This product is corrosive to mild steel. This product as supplied under pressure the product is packaged in specially vented containers. It must be stored and transported in an upright position to prevent leakage.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess material can be hazardous to humans. Do not dispose of material in drains, ditches or on the ground. Hazardous Waste representative at the nearest EPA Regional Office should be contacted for disposal instructions.

**CONTAINER DISPOSAL
 METAL CONTAINERS**

Triple rinse (or equivalent). Then offer for recycling or reconditioning procedures approved by state and local authorities.

PLASTIC CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, incineration, or, if allowed by state and local authorities, by burning. **GENERAL: CONSULT FEDERAL, STATE OR LOCAL DISPOSAL PROCEDURES.**

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that this product conforms to its chemical analysis when used in accordance with label directions and as defined under the terms of OTHER EXPRESS OR IMPLIED WARRANTIES, EITHER OF MERCHANTABILITY, HANDLING, STORAGE, AND USE OF THE PRODUCT BY BUYER OR USER ARE BEYOND THE CONTROL OF ROHM AND HAAS, EXTENT PERMITTED BY LAW, NEITHER ROHM AND HAAS SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OF THIS PRODUCT.

Date of Manufacture: location for date
 EPA Reg. No. 707-129
 EPA Est. No. 707-EN-1

0.4%
 3.7%
 5.9%
 0.0%

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

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 chemical 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.

APPLICATION
 Recommended as an in-container application for bacteria and fungi in water-based coatings and paints used for industrial purpose coatings. Add 177 g (6.25 oz) of Kathon 886 MW microbicide (20-80 gram) to fluid to provide 44 to 177 ppm active isothiazolones).

APPLICATION
 Recommended as an in-container application for bacteria and fungi in building materials, cements, spackling, and grout. Add 53 kilogram of fluid to provide 44 to 177 ppm active isothiazolones).

APPLICATION
 Recommended as an in-container application for bacteria and fungi in the manufacture of paper and paper products such as kaolin clay, montmorillonite, calcium sulfate, barium sulfate, calcium hydroxide used in paint and paper products. Add 100 pound (453 kilogram) of fluid to provide 44 to 177 ppm active isothiazolones).

METALWORKING FLUID PRESERVATION

Kathon 886 MW 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 microbicide at 2.7 fluid ounce (0.23 pound) per 1000 gallon of emulsion every 4 weeks or 2.7-12.8 fluid ounce (0.23-1.1 pound) per 1000 gallon of emulsion every 4-12 weeks to provide 26-125 ppm product (4-17.5 ppm active isothiazolones). For a noticeably fouled system, use an initial dose of 5.4-12.8 fluid ounce (0.46-1.1 pound) per 1000 gallon of emulsion to provide 53-125 ppm product (7-17.5 ppm active isothiazolones) to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. 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 as an additive into the circulating use-dilution of the metalworking fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

METAL CLEANING FLUID PRESERVATION

Kathon 886 MW 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, phosphating, galvanizing, and general metal cleaning operations.

For addition to a metal cleaning concentrate add Kathon 886 MW at a level to ensure that the final use-dilution fluid will contain 44-177 ppm product (6.25 to 25 ppm active isothiazolones)

For direct addition to a fouled system, add 5.6-22.6 fl. oz. (0.48-1.9 pound) of Kathon 886 MW to each 1000 gallon of use-dilution metal cleaning fluid every 3 to 4 weeks to provide 44-177 ppm product (6.25 to 25 ppm active isothiazolones). 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 as an additive into the circulating use-dilution of the metalworking fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

WATER-BASED HYDRAULIC FLUID PRESERVATION

Kathon 886 MW 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 microbicide at 9-13 fluid ounce (0.76-1.1 pound) per 1000 gallon fluid every 8 weeks. For a noticeably fouled system, use an initial dose of 13-20 fluid ounce (1.1-1.7 pound) per 1000 gallon fluid to be followed by subsequent maintenance dosage. 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 as an additive into the circulating use-dilution of the hydraulic fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

COMPONENTS
 Kathon 886 MW microbicide

For the maintenance of a non-fouled system, use Kathon 886 MW microbicide at 9-13 fluid ounce (0.76-1.1 pound) per 1000 gallon fluid every 8 weeks. For a noticeably fouled system, use an initial dose of 13-20 fluid ounce (1.1-1.7 pound) per 1000 gallon fluid to be followed by subsequent maintenance dosage. 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 as an additive into the circulating use-dilution of the hydraulic fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

Kathon 886 MW microbicide

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

Product
Code
(91)

3 8 3

Container: Label
Code Number Number
«SN1» 886MWEPA
01/31/06

**HAZARD STATEMENTS
FOR HUMAN AND DOMESTIC ANIMALS**

**HAZARD STATEMENTS
FOR AQUATIC LIFE AND SKIN BURNS
IF ON THE SKIN OR SWALLOWED**

Workers and others exposed to this product must wear long-sleeved shirts and trousers made of such materials as nitrile or butyl rubber; shoes plus socks; goggles and gloves made of nitrile or other absorbent materials that have been drenched or saturated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and washing. If washable, use detergent and hot water. Keep and wash hands before eating, drinking, chewing gum, using tobacco or using any other product. Immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes. Product may cause skin sensitization reactions in some

invertebrates. Do not discharge effluent containing this product into streams, rivers, lakes, ponds, or other waters unless in accordance with the requirements of a local, state, or federal (DES) permit and the permitting authority has been notified in writing of the use of this product in sewer systems without previously obtaining the approval of the State Water Board or Regional Office. For more information or guidance contact your State Water Board or Regional Office. Do not use this product on equipment or disposal of waste. Apply this pesticide only as

**STORAGE AND DISPOSAL
PESTICIDE STORAGE**

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.

PHYSICAL AND CHEMICAL HAZARDS

This product is corrosive to mild steel. This product as supplied evolves gas (largely carbon dioxide) slowly. To prevent buildup of pressure the product is packaged in specially vented containers. Keep this product in the original container when not in use. Container must be stored and transported in an upright position to prevent spilling the contents through the vent.

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. 707-129
EPA Est. No. 707-EN-1

PRESERVATION

is recommended for the control of and emulsifiable-type aqueous

in a fouled system, use Kathon 886 MW (0.23 pound) per 1000 gallon of fluid (0.23-1.1 pound) per 4-12 weeks to provide 26-125 ppm product (thiazolones). For a noticeably fouled system, use 5.4-12.8 fluid ounce (0.46-1.1 pound) to provide 53-125 ppm product (7-17.5 weeks) followed by subsequent treatment upon the treatment interval noted. If treatment may be required depending on preservative with makeup fluid, the nature, level of control required, system design, etc. The preservative should be added to the circulating use-dilution of the system using a metering pump or by manual pouring, throughout the system.

WATER-BASED HYDRAULIC FLUID PRESERVATION

is recommended as a preservative for use in alkaline, acid, and emulsion-based operations used in electroplating, phosphatizing, and cleaning operations.

For concentrate, add Kathon 886 MW at use-dilution fluid will contain 44-177 active isothiazolones).

For direct addition to a fouled system, add 5.6-22.6 fl. oz. (0.48-1.9 pound) of Kathon 886 MW to each 1000 gallon of use-dilution metal cleaning fluid every 3 to 4 weeks to provide 44-177 ppm product (6.25 to 25 ppm active isothiazolones). 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 as an additive into the circulating use-dilution of the metalworking fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

WATER-BASED HYDRAULIC FLUID PRESERVATION

Kathon 886 MW 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 microbicide at 9-13 fluid ounce (0.76-1.1 pound) per 1000 gallon fluid every 8 weeks. For a noticeably fouled system, use an initial dose of 13-20 fluid ounce (1.1-1.7 pound) per 1000 gallon fluid to be followed by subsequent maintenance dosage. 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 as an additive into the circulating use-dilution of the hydraulic fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION

Kathon 886 MW 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 microbicide at 2.7 - 5.5 fluid ounce (0.23-0.46 pound) per 1000 gallon fluid every 8 weeks. For a noticeably fouled system, use an initial dose of 5.5 - 13.6 fluid ounce (0.46-1.15 pound) per 1000 gallon fluid to be followed by subsequent maintenance dosage. 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 final rinse or used water collection tank.

Kathon 886 MW microbicide weighs 10.8 pound per gallon

