

707-133

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

JAN 04 2001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Rohm and Haas  
100 Independence Mall West  
Philadelphia, PA 19108-2399

Attention: Lynne Hall

Subject: Kathon WT 1.5% Industrial Microbiocide  
EPA Registration Number 707-133  
Your Submission Dated November 21<sup>st</sup>, 2000  
EPA Received Date November 27<sup>th</sup>, 2000

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to add Industrial Water Systems to the product labeling, is acceptable.

A stamped copy of the labeling is enclosed for your records.

However at the next printing of your labeling, make the following labeling revision:

Revise the subheading "Statement of Practical Treatment" to read "First Aid."

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

Sincerely,

A handwritten signature in cursive script that reads "M Swindell".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7505C)

# KATHON<sup>®</sup> WT 1.5%

Made In USA <sup>2/3</sup> AV

Industrial Microbicide for use in Industrial Process Water Systems, Recirculating Water Cooling Towers, Air Washer Systems, Oil Field Injection Waters, Wood Mildew Control, Papermill Slime Control, Dispersed Pigments, Recirculating Closed Loop Water Cooling Systems, Brewery Pasteurizer/Can Warmer/Retort Water Systems, Air Conditioner/Refrigeration Condensate Water Systems, Coal Slurry Systems, Evaporative Condenser Water Systems, Hydrostatic Sterilizer Water Systems, Influent Water Filtration Systems, Immersion Ultrasonic Tank Water, Reverse Osmosis and Ultra Filtration Systems, Industrial Scrubbing Systems, Industrial Wastewater Treatment Systems, Laboratory Equipment Water Baths, Sewage Systems, Paint Spray Booth Systems, and Recirculating Electrodeposition Systems.



ACTIVE INGREDIENTS:	
5-Chloro-2-methyl-4-isothiazolin-3-one	1.11%
2-Methyl-4-isothiazolin-3-one	0.39%
INERT INGREDIENTS:	98.50%
Total:	100.00%

## KEEP OUT OF REACH OF CHILDREN DANGER

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Do not induce vomiting. Drink promptly a large quantity of egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Never give anything by mouth to an unconscious person.

**IF ON SKIN:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before re-use.

**IF IN EYES:** Flush with plenty of water for at least 15 minutes. Call a physician.

**IF INHALED:** Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

### 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 under normal conditions of use. 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. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

**CORROSIVE**  
**CAUSES EYE DAMAGE AND SKIN BURNS**  
**MAY CAUSE ALLERGIC SKIN REACTION**  
**HARMFUL IF INHALED**  
**HARMFUL IF SWALLOWED**

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly after handling.

### ENVIRONMENTAL HAZARDS

This product 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 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.

### DISPERSED PIGMENT PRESERVATION

Kathon WT 1.5% microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin and montmorillite clays, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselsguhr used in paint and paper productions. Add 0.43-1.65 pound of Kathon WT 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).

### AIR WASHER SYSTEMS/ PAINT SPRAY BOOTHS

Add to the air washer sump, chill water sump, or paint spray booth to insure uniform mixing, 35 - 883 ppm Kathon WT 1.5% microbicide (0.3 - 7.46 pound or 4.5 - 113 fluid ounce of Kathon WT 1.5% per 1000 gallon 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 and paint spray booths.

### INTERMITTENT OR SLUG METHOD

When the system is noticeably fouled, apply 148 - 883 ppm Kathon WT 1.5% microbicide (1.26 - 7.46 pound or 19 - 113 fluid ounce of Kathon WT 1.5% per 1000 gallon of water in the system.) Repeat until control is achieved.

When microbial control is evident, add 35 - 219 ppm Kathon WT 1.5% microbicide (0.3 - 1.86 pound or 4.5 - 28 fluid ounce of Kathon WT 1.5% per 1000 gallon of water) in the system weekly or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

### CONTINUOUS FEED METHOD

When the system is noticeably fouled, apply 148 - 883 ppm Kathon WT 1.5% microbicide (1.26 - 7.46 pound or 19 - 113 fluid ounce of Kathon WT 1.5% per 1000 gallon of water in the system.) Maintain this treatment level by adding a continuous feed of 35 - 219 ppm Kathon WT 1.5% (0.3 - 1.86 pound or 4.5 - 28 fluid ounce of Kathon WT 1.5% per 1000 gallon of makeup water). Badly fouled systems must be cleaned before initial treatment.

**NOTE:** For use only in systems that maintain effective mist-eliminating components.

### WOOD AND WOOD PRODUCTS

Kathon WT 1.5% microbicide is recommended for the protection of wood and wood products, such as landscape timbers, fences, posts, pilings, cross ties, decks, and similar exterior structures from mold and mildew. Treat southern yellow pine, hemlock, ponderosa pine, and other soft woods with 148 - 1000 ppm Kathon WT 1.5% (1.26 - 8.4 pound or 13 - 128 fluid ounce of Kathon WT 1.5% per 1000 gallon) as an aqueous dip or pressure treatment for mold and mildew control. Thoroughly wet and allow to dry. A single application will afford protection for 12 weeks.

### OIL FIELD 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 Kathon WT 1.5% microbicide depending on the severity of contamination. Add 166 - 332 ppm Kathon WT 1.5% (6.9 - 13.9 gallon or 58.0 - 116.8 pound Kathon WT 1.5% per 1000 barrel 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. Add 67-166 ppm Kathon WT 1.5% (2.8 - 6.9 gallon or 23.5 - 58.0 pound Kathon WT 1.5% per 1000 barrel of water) every seven days or as needed to maintain control.

### RECIRCULATING ELECTRODEPOSITION SYSTEMS METHOD OF ADDITION

Kathon WT 1.5% microbicide is recommended as a tankside additive for the control of bacteria, fungi, and algae in recirculating electrodeposition systems and associated rinse systems. Alternatively, Kathon WT 1.5% microbicide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

### TANKSIDE ADDITION TO ELECTRODEPOSITION SYSTEMS

Kathon WT 1.5% microbicide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to ensure uniform mixing. When the system is noticeably fouled, add 667-2333 ppm Kathon WT 1.5% microbicide (6.7-23.3 gallon per 10,000 gallon of fluid in the system). This will provide 10-35 ppm of active ingredient. Repeat until control is achieved.

g. Gross: LB KG  
Net: LB KG  
g. Tare: LB KG

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JAN 04 2001

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

Container: Label Number  
Code Number WT1.5EPA2  
11/21/00

707-133

**STORAGE AND DISPOSAL PROHIBITIONS**

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal, or cleaning of equipment.

**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.

Date of Manufacture: location for date

EPA Reg. No. 707-133

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.

For the control of bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to: industrial process water systems, industrial recirculating water cooling towers, industrial recirculating closed loop water cooling systems, brewery pasteurizers, can warmers, retort water systems, industrial scrubbing systems, evaporative condenser water systems, hydrostatic sterilizer water systems, air conditioner/refrigeration condensate water systems, coal slurry systems, immersion ultrasonic tank water, laboratory equipment water baths and influent water filtration systems. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

When the system is noticeably fouled, apply 148 - 883 ppm Kathon WT 1.5% microbicide (1.26 - 7.46 pound or 19 - 113 fluid ounce of Kathon WT 1.5% per 1000 gallon of water in the system.) Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

When microbial control is evident, add 35 - 219 ppm Kathon WT 1.5% microbicide (0.3 - 1.86 pound or 4.5 - 28 fluid ounce of Kathon WT 1.5% per 1000 gallon of water in the system) weekly or as needed to maintain control.

**PAPERMILLS**

For the control of bacteria, algae and fungi, add Kathon WT 1.5% microbicide to the Beater, Hydropulper, or Fan or Broke Storage Pumps or some other point in the system to insure uniform mixing.

Apply 0.44 to 1.5 lb (7 - 23 fluid ounce) of Kathon WT 1.5% microbicide 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.

When microbial control is evident, add 333-1000 ppm Kathon WT 1.5% microbicide (3.3-10 gallon per 10,000 gallon of fluid in the system). This will provide 5-15 ppm of active ingredient. A change of frequency of treatment may be required depending upon the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness and system design.

**TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS INITIAL DOSE OF PAINT COMPONENTS**

Kathon WT 1.5% microbicide should be added to the resin, pigment, or other component of the electrodeposition paint at a level to ensure that the final use-dilution fluid will contain 333-2333 ppm product (5-35 ppm active ingredient).

**SUPPLEMENTAL TANKSIDE DOSING OF ELECTRODEPOSITION SYSTEMS**

If additional microbial control is necessary, Kathon WT 1.5% microbicide may be added to the electrodeposition system tankside to supplement microbicide incorporated through paint components. If the system becomes noticeably fouled, add 667 - 2333 ppm Kathon WT 1.5% microbicide (6.7 - 23.3 gallon per 10,000 gallon of fluid in the system). This will provide 10 - 35 ppm of active ingredient. Repeat until control is achieved.

When microbial control is evident, add 333-1000 ppm Kathon WT 1.5% microbicide (3.3-10 gallon per 10,000 gallon of fluid in the system) weekly or as needed. This will provide 5-15 ppm of active ingredient.

**NOTE:** Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 35 ppm (equivalent to 2333 ppm Kathon WT 1.5% microbicide or 23.3 gallon per 10,000 gallon system fluid).

Kathon WT 1.5% Microbicide weighs 8.4 lb/gallon.

**ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEMS**

Kathon WT 1.5% Microbicide is recommended for the control of bacteria and fungi in ultra filtration units and non-medical/non-potable reverse osmosis systems. Use of Kathon WT 1.5% microbicide in potable water or dialysis is prohibited. Add 10 - 333 ppm of Kathon WT 1.5% microbicide (0.15 - 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of Kathon WT 1.5% microbicide with reverse osmosis membranes should be confirmed with membrane manufacturers.

For the control of bacteria and fungi in carbon beds, add 10 - 333 ppm of Kathon WT 1.5% microbicide (0.15 - 5 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 - 1.0 lb of Kathon WT 1.5% microbicide to every 120 gallon of cleaning solution (6 - 15 ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.

**INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND SEWAGE SYSTEMS**

Kathon WT 1.5% microbicide is recommended for the control of bacteria, fungi, and algae in industrial wastewater treatment and sewage systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

When the system is noticeably fouled, apply 148 - 883 ppm Kathon WT 1.5% microbicide (1.26 - 7.46 pound or 19 - 113 fluid ounce of Kathon WT 1.5% per 1000 gallon of water in the system.) Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

When microbial control is evident, add 35 - 219 ppm Kathon WT 1.5% microbicide (0.3 - 1.86 pound or 4.5 - 28 fluid ounce of Kathon WT 1.5% per 1000 gallon of water in the system) weekly or as needed to maintain control.