



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 29, 2015

Valerie T. Phillip  
Senior Regulatory Specialist  
The Dow Chemical Company  
400 Arcola, Road, PO Box 7000  
Collegetown PA, 19426

Subject: Label Amendment – To add phrase “Not registered for the use in the State of California” and update the conditions of Sale and Warranty  
Product Name: KATON™ WT 1.5%  
EPA Registration Number: 707-133  
Application Date: February 5, 2015  
Decision Number: 500078

Dear Ms. Phillip:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

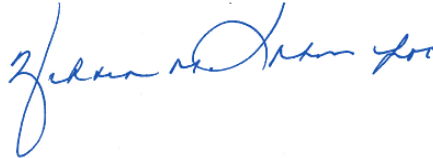
Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Zebora Johnson by phone at (703) 308-7080 or via email at [johnson.zebora@epa.gov](mailto:johnson.zebora@epa.gov).

Sincerely,



John Hebert, Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Accepted Label dated 05/29/2015

# KATHON™ WT 1.5%

[BRACKETS INDICATE PHRASES THAT WILL NOT APPEAR ON PRINTED LABEL]  
[MASTER LABEL]

Produced For – *When produced by a contract manufacturer*



**ACTIVE INGREDIENTS:**

5-Chloro-2-methyl-4-isothiazolin-3-one 1.11%

2-Methyl-4-isothiazolin-3-one 0.39%

**INERT INGREDIENTS:**

Total: 98.50%

100.00%

## NOTIFICATION

707-133

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/29/2015

## 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 treatment 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 if possible.
- Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment 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 to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IN CASE OF EMERGENCY CALL ROHM AND HAAS COMPANY 215-592-3000**

**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

HARMFUL IF INHALED

HARMFUL 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 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

#### **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.

##### **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**

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedures approved by state and local authorities.

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of 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 container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### **CONDITIONS OF SALE AND WARRANTY**

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. **SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

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

##### **INDUSTRIAL RECIRCULATING WATER COOLING TOWERS**

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **industrial recirculating water cooling towers**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

##### **INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS**

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **industrial recirculating closed loop water cooling systems**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **OIL FIELD INJECTION WATERS**

For the control of microbial biofilm-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.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **AIR WASHER SYSTEMS**

Add to the air washer sump or chill water sump 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 microbial biofilms, bacteria, fungi, and algae which cause fouling in industrial air washer systems.

#### **INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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**

**INITIAL DOSE:** 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.)

**SUBSEQUENT DOSE:** 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.

#### **INDUSTRIAL PROCESS WATER SYSTEMS**

***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **industrial process water systems**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **BREWERY PASTEURIZERS**

***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **brewery pasteurizers**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **CAN WARMERS**

***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **can warmers**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### RETORT WATER SYSTEMS

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **retort water systems**.

Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### INDUSTRIAL SCRUBBING SYSTEMS

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **industrial scrubbing systems**.

Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### EVAPORATIVE CONDENSER WATER SYSTEMS

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **evaporative condenser water systems**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### HYDROSTATIC STERILIZER WATER SYSTEMS

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **hydrostatic sterilizer water systems**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### AIR CONDITIONER/REFRIGERATION CONDENSATE WATER SYSTEMS

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **air conditioner/refrigeration condensate water systems**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### COAL SLURRY SYSTEMS

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **coal slurry systems**.

Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### IMMERSION ULTRASONIC TANK WATER

##### ***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **immersion ultrasonic tank water**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **LABORATORY EQUIPMENT WATER BATHS**

***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **laboratory equipment water baths**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **INFLUENT WATER FILTRATION SYSTEMS**

***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, bacteria, algae, and fungi, add Kathon WT 1.5% microbicide to **influent water filtration systems**. Add Kathon WT 1.5% microbicide at some point in the system to insure uniform mixing.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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.

#### **DISPERSED PIGMENT PRESERVATION**

***Not registered for this use in the State of California – [Optional]***

Kathon WT 1.5% microbicide is recommended for the control of microbial biofilms, 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 kieselguhr 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).

#### **PAINT SPRAY BOOTHS**

***Not registered for this use in the State of California – [Optional]***

Add to the 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 microbial biofilms, bacteria, fungi, and algae which cause fouling in paint spray booths.

#### **INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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**

**INITIAL DOSE:** 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.)

**SUBSEQUENT DOSE:** 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.

#### **RECIRCULATING ELECTRODEPOSITION SYSTEMS**

***Not registered for this use in the State of California – [Optional]***

##### **METHOD OF ADDITION**

Kathon WT 1.5% microbicide is recommended as a tankside additive for the control of microbial biofilms, 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**

***Not registered for this use in the State of California – [Optional]***

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.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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**

***Not registered for this use in the State of California – [Optional]***

##### **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**

***Not registered for this use in the State of California – [Optional]***

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.

**INITIAL DOSE:** 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

**SUBSEQUENT DOSE:** 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).

#### **POLYMER LATEX PRESERVATION**

***Not registered for this use in the State of California – [Optional]***

Kathon WT 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 a xanthum gum, gum arabic, guar gum, protein-derived polymers, starches, casein-derived polymers latices; and solution polymers. Add 0.43-3.3 pound of Kathon WT 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 WT 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.

#### **WOOD AND WOOD PRODUCTS**

***Not registered for this use in the State of California – [Optional]***

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.

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

***Not registered for this use in the State of California – [Optional]***

Kathon WT 1.5% Microbicide is recommended for the control of microbial biofilms, 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**

***Not registered for this use in the State of California – [Optional]***

Kathon WT 1.5% microbicide is recommended for the control of microbial biofilms, 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.

**INITIAL DOSE:** 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.

**SUBSEQUENT DOSE:** 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**

***Not registered for this use in the State of California – [Optional]***

For the control of microbial biofilms, 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.



Kathon WT 1.5% Microbicide weighs 8.4 lb/gallon.