



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 21, 2017

William D. Shade
Regulatory Manager
Rohm and Haas Company
100 Independence Mall West
Philadelphia, PA 19106

Subject: Notification per PRN 98-10 – Added an In Case of Emergency Number, Moved
Precautionary Statements Together and Edited the Directions for Use
Product Name: Kathon CF-400
EPA Registration Number: 707-316
Application Date: 03/13/2017
Decision Number: 527305

Dear Mr. Shade:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at heffernan.aline@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "John Hebert", with a stylized flourish at the end.

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

KATHON™ CF-400

NOTIFICATION

Produced for: (for use when manufactured by a contract manufacturer)
ROHM AND HAAS COMPANY
A Wholly Owned Subsidiary of The Dow Chemical Company
100 Independence Mall West
Philadelphia, PA, 19106-2399
Phone: 215-592-3000

707-316

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:

04/21/2017

Dow Diamond

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one	2.95%
2-Methyl-4-isothiazolin-3-one	1.05%

INERT INGREDIENTS:

Total:	96.00%
	100.00%

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 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.

IN CASE OF EMERGENCY endangering life or property involving this product, call collect 989-636-4400

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

HARMFUL IF SWALLOWED

MAY BE FATAL IF ABSORBED THROUGH THE SKIN

MAY BE FATAL IF INHALED

MAY CAUSE ALLERGIC SKIN REACTIONS

PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS.

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 the 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 HANDLING

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.

Notice:

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. 707-316

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 microbial biofilms, bacteria, algae, and fungi, add **this product** 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 **this product** at some point in the system to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 56 - 331 ppm **of this product** (2.0 – 13.2 ppm active ingredient) which is 0.46 - 2.76 pound or 6.6 - 40 fluid ounce of this product 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 13 - 82 ppm **of this product** (0.5 – 3.3 ppm active ingredient) which is 0.11 – 0.68 pound or 1.6 – 9.8 fluid ounce of **this product** 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]

This product 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 0.16 – 0.63 pound of **this product** (73- 286 gram) to each 1000 pound (453 kilogram of fluid to provide 156 to 625 ppm product (6.25-25 ppm active ingredient).

AIR WASHER SYSTEMS/ PAINT SPRAY BOOTHS

Add to the air washer sump, chill water sump, or paint spray booth to insure uniform mixing, 13 - 331 ppm **of this product** (0.5 – 13.2 ppm active ingredient) which is 0.11 – 2.8 pound or 1.6 – 40 fluid ounce of **this product** 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 and paint spray booths.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 56 - 331 ppm **of this product** (2.2 – 13.2 ppm active ingredient) which is 0.46 – 2.8 pound or 6.6 - 40 fluid ounce of **this product** per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 13 - 82 ppm **of this product** (0.5 – 3.3 ppm active ingredient) which is 0.11 – 0.7 pound or 1.6 – 9.8 fluid ounce of **this product** 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 56 – 331 ppm **of this product** (2.2 – 13.2 ppm active ingredient) which is 0.46 – 2.8 pound or 6.6 - 40 fluid ounce of **this product** per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 13 - 82 ppm **of this product** (0.5 – 3.3 ppm active ingredient) which is 0.11 – 0.7 pound or 1.6 – 9.8 fluid ounce of **this product** 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.

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 25 – 125 ppm **of this product** (0.2 – 5.0 ppm active ingredient) depending on the severity of contamination.

INITIAL DOSE: Add 62 - 125ppm **of this product** (2.5 – 5.0 ppm active ingredient) which is 2.6 – 5.2 gallon or 22 – 44 pound **of this product** 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 25 – 62 ppm **of this product** (0.2 – 2.5 ppm active ingredient) which is 1.1 – 2.6 gallon or 8.8 – 22 pound **of this product** per 1000 barrel of water every seven days or as needed to maintain control.

RECIRCULATING ELECTRODEPOSITION SYSTEMS

[Not registered for this use in the State of California- optional]

METHOD OF ADDITION

This product 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, **this product** may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

TANKSIDE ADDITION TO ELECTRODEPOSITION SYSTEMS

This product 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 250 – 875 ppm **of this product** (10 – 35 ppm active ingredient) which is 2.3 – 8.2 gallon per 10,000 gallon of fluid in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 125 – 375 ppm **of this product** (5- 15 ppm active ingredient) which is 1.2 – 3.5 gallon per 10,000 gallon of fluid in the system. 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 control required, filtration effectiveness and system design.

TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS

INITIAL DOSE OF PAINT COMPONENTS

This product 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 125 – 875 ppm product (5- 35 ppm active ingredient).

SUPPLEMENTAL TANKSIDE DOSING OF ELECTRODEPOSITION SYSTEMS

If additional microbial control is necessary, **this product** may be added to the electrodeposition system tankside to supplement microbicide incorporated through paint components.

INITIAL DOSE: If the system becomes noticeably fouled, add 250 – 875 ppm **of this product** (10 – 35 ppm active ingredient) which is 2.3 – 8.2 gallon per 10,000 gallon of fluid in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 125 – 375 ppm **of this product** (5- 15 ppm active ingredient) which is 1.2 – 3.5 gallon per 10,000 gallon of fluid in the system weekly or as needed.

NOTE: Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 35 ppm (equivalent to 875 ppm **of this product** or 8.2 gallon per 10,000 gallon system fluid).

POLYMER LATEX PRESERVATION

[Not registered for this use in the State of California- optional]

This product is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer lattices 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 lattices; and solution polymers. Add 0.16 – 1.3 pound of **this product** (71 – 567 gram) to each 1000 pound (453 kilogram) of emulsion to provide 156 – 1250 ppm product (6.25-50 ppm active ingredient).

NOTE: To insure uniform mixing, add **this product** 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]

This product 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 56 - 375 ppm **of this product** (2.2 – 15 ppm active ingredient) which is 0.46 – 3.1 pound or 6.6 - 45 fluid ounce of **this product** 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

This product 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 **this product** microbicide in potable water or dialysis is prohibited. Add 4 - 125 ppm of **this product** (0.15 - 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of **this product** with reverse osmosis membranes should be confirmed with membrane manufacturers. For the control of bacteria and fungi in carbon beds, add 4 - 125 ppm of **this product** (0.15 - 5 ppm active ingredient) by either continuous or batch feed.

For periodic membrane cleaning, add 0.15 – 0.38 lb of **this product** 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

This product 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 56 - 331 ppm **of this product** (2.2 – 13.2 ppm active ingredient) which is 0.21 – 1.26 pound or 6.6 - 40 fluid ounce of **this product** 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 13 - 82 ppm **of this product** (0.5 – 3.3 ppm active ingredient) which is 0.11 – 0.68 pound or 1.6 - 10 fluid ounce of **this product** per 1000 gallon of water in the system weekly or as needed to maintain control.

PAPERMILLS

For the control of microbial biofilms, bacteria, algae and fungi, add **this product** to the Beater, Hydropulper, or Fan or Broke Storage Pumps or some other point in the system to insure uniform mixing.

Apply 0.17 to 0.56 lb (2.4 – 8 fluid ounce) of Kathon CF-400 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.

This product weighs 9.04 pounds/gallon.