707-299 5/23/2006 KORDEK™ MIX

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Industrial Microbicide for use in Polymer Latices, Adhesives, Tackiflers, Mineral Dispersions, Printing

Fluid, Electronic Chemicals Preservation, Industrial Water Treatment Systems, Air Washer Systems, Oil Field Injection Waters, Recirculating Electrodeposition Systems, Papermills, Membrane Filtration and Reverse Osmosis Systems, Industrial Wastewater and Sewage Systems



Lot Number

ACTIVE INGREDIENTS:

2-Methyl-4-isothiazolin-3-one INERT INGREDIENTS:

9.7% 90.3%

100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

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.

Total:

 Call a poison control center or doctor for treatment advice.

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 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 for a
 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicatie 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 EYE DAMAGE AND SKIN BURNS
MAY CAUSE ALLERGIC SKIN REACTION
MAY BE HARMFUL IF INHALED
MAY BE FATAL IF SWALLOWED OR ABSORBED

MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN

This product is a dermal sensitizer. Do not get in eyes, on skin, or on clothing. Wear goggles, protective clothing and rubber gloves. Wear a mask or pesticide respirator jointly approved by Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Do not take internally. Wash thoroughly with soap and water 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.

STORAGE AND DISPOS

This product is corrosive to containers. Do not containing equipment.

PESTICIDE DISPOSAL

Pesticide wastes are acutely rinsate is a violation of Fede use according to label instru Control Agency or the Haza Regional Office for guidanc CONTAINER DISPOSAI METAL CONTAINERS Triple rinse (or equivalent), puncture and dispose of in state and local authorities. PLASTIC CONTAINERS

Triple rinse (or equivalent). puncture and dispose of in a state and local authorities, b

GENERAL CONSULT FEDERAL, ST. APPROVED ALTERNATI

CONDITIONS OF SALE AND WA
Rohm and Hass warrants that this pro
purpose stated on the labet only when
ROHM AND HAAS MAKES NO OT
MERCHANTABILITY OR FITNESS
product by Buyer or User are beyond t
or other unaniended consequences rea
assumed by the Buyer or User IN NO
FOR CONSEQUENTIAL, SPECIAL,
STORAGE, OR USE OF THIS .FROI

Date of Manufacture: EPA Reg. No. 707-299 EPA Est. No.

INDUSTRIAL WATER TREATMENT SYSTEMS

Kordek MLX microbicide is recommended for the control of bacteria, algae, and fungi, in industrial process water, industrial recirculating water cooling towers, recirculating cooling water systems, fire protection 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, influent water filtration systems and conveyor lubricants.

Dose Kordek MLX microbicide at 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon of water in the system to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun. Dosing may be by slug or continuous metered addition. Add Kordek MLX microbicide at some point in the system to insure uniform mixing.

OIL FIELD INJECTION WATERS

Kordek MLX microbicide is recommended for the control of slime-forming and sulfatereducing bacteria in oil and gas field water systems, including enhanced recovery injection fluids, drilling, fracturing and completion fluids.

Dose Kordek MLX microbicide at 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon of water in the system to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun. Dosing may be by slug or continuous metered addition. Add Kordek MLX microbicide at some point in the system to insure uniform mixing.

AIR WASHER SYSTEMS

Kordek MLX microbicide is recommended as a tankside additive for the control of bacteria, fungi, and algae in industrial air washer systems. Dose Kordek MLX microbicide at 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon of water in the system to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun. Dosing may be by slug or continuous metered addition. Add Kordek MLX microbicide air to the ai washer sump or chill water sump to insure uniform mixing. Dosing frequency will depend upon the severity of contamination, system dynamics, and degree of control required.

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

RECIRCULATING ELECTRODEPOSITION SYSTEMS

Kordek MLX microbicide is recommended as a tankside additive for the control of t fungi, and algae in recirculating electrodeposition systems and associated rinse syste Alternatively, Kordek MLX microbicide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

Dose Kordek MLX microbicide at 22 - 132 pound (2.6 - 15.5 gallon) per 10000 gall water in the system to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredi Repeat until control is achieved. Badly fouled systems should be cleaned before tree is begun. Dosing may be by slug or continuous metered addition. Kordek MLX microbicide should be dispensed into the recirculating rinse system, ultrafilter permi final distilled rinse system at a point to ensure uniform mixing. A change of freque treatment may be required depending upon the rate of dilution of the preservative wi makeup fluid, the nature and severity of contamination, level of control required, filt effectiveness and system design.

NOTE: Regardless of the manner of incorporation, the total active ingredient level system should at no time exceed 150 ppm (equivalent to 1575 ppm Kordek MLX microbicide or 132 gallon per 10,000 gallon system fluid).

MEMBRANE FILTRATION UNITS AND NON-MEDICAL/NON-POTAL REVERSE OSMOSIS SYSTEMS

Kordek MLX microbicide is recommended for the control of bacteria and fungi in membrane filtration units and non-medical/non-potable reverse osmosis systems. U Kordek MLX microbicide in potable water or dialysis is prohibited. Add 2.2 - 13.2 (33 - 198 fluid ounces) per 1000 gallon to achieve 265 - 1575 ppm product (25 - 156 active ingredient) into industrial membrane filtration or reverse osmosis systems by continuous feed or periodic injection. Compatibility of Kordek MLX microbicide w reverse osmosis membranes should be confirmed with membrane manufacturers.

For periodic membrane cleaning, add 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1 gallon of cleaning solution to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient).

For the control of bacteria and fungi in filtration beds, add 2.2 - 13.2 pound (33 - 19 ounces) per 1000 gallon of system volume to achieve 265 - 1575 ppm product (25 - ppm active ingredient) by either continuous or batch feed.

Badly fouled systems should be cleaned before treatment is begun,

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servation, Industrial Water Treatment Systems, Air Washer Systems, culating Electrodeposition Systems, Papermills, Membrane Filtration idustrial Wastewater and Sewage Systems

Polymer Latices, Adhesives, Tackifiers, Mineral Dispersions, Printing

90.3% Total: 100.00%

ACH OF CHILDREN **IGER**

pen and rinse slowly and gently with 5-20 min. Remove contact lenses, if or first 5 min. then continue rinsing eye. n control center or doctor for treatment

intaminated clothing. immediately with plenty of water for 15-

on control center or doctor for advice. on to fresh air not breathing, call 911 or an then give artificial respiration, mouth-to-mouth. on control center or doctor for advice. on control center or doctor y for advice.

ice vomiting unless told to do so by a trol center or doctor .. n sip a glass of water if able to

ucosal damage may contraindicatie the t circulatory shock, respiratory depression

DITIONAL PRECAUTIONARY EMENTS.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE

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

This product is a dermal sensitizer. Do not get in eyes, on skin, or on clothing. Wear goggles, protective clothing and rubber gloves. Wear a mask or pesticide respirator jointly approved by Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Do not take internally. Wash thoroughly with soap and water 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.

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.

CONDITIONS OF SALE AND WARRANTY

CONDITIONS OF SALE AND WARRANTY

Rohm and Hass 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 ust ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, EITHER OF MERCHANTABILITY OR PITINESS, 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 USER OF THIS PROPRIET. STORAGE, OR USE OF THIS .PRODUCT.

Date of Manufacture: EPA Reg. No. 707-299

EPA Est. No.

MENT SYSTEMS

ended for the control of bacteria, algae, and fungi, in I recirculating water cooling towers, recirculating ion systems, brewery pasteurizers, can warmers, ubbing systems, evaporative condenser water er systems, air conditioner/refrigeration condensate , immersion ultrasonic tank water, laboratory ater filtration systems and conveyor lubricants.

2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon - 1575 ppm product (25 - 150 ppm active ingredient). ily fouled systems should be cleaned before treatment continuous metered addition. Add Kordek MLX em to insure uniform mixing.

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maintain effective mist-eliminating components.

RECIRCULATING ELECTRODEPOSITION SYSTEMS

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

Dose Kordek MLX microbicide at 22 - 132 pound (2.6 - 15.5 gallon) per 10000 gallon of water in the system to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun. Dosing may be by slug or continuous metered addition. Kordek MLX microbicide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to ensure uniform mixing. 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.

NOTE: Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 150 ppm (equivalent to 1575 ppm Kordek MLX microbicide or 132 gallon per 10,000 gallon system fluid).

MEMBRANE FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEMS

Kordek MLX microbicide is recommended for the control of bacteria and fungi in membrane filtration units and non-medical/non-potable reverse osmosis systems. Use of Kordek MLX microbicide in potable water or dialysis is prohibited. Add 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient) into industrial membrane filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of Kordek MLX microbicide with reverse osmosis membranes should be confirmed with membrane manufacturers.

For periodic membrane cleaning, add 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon of cleaning solution to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient).

For the control of bacteria and fungi in filtration beds, add 2.2 - 13.2 pound (33 - 198 fluid ounces) per 1000 gallon of system volume to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient) by either continuous or batch feed.

Badly fouled systems should be cleaned before treatment is begun.

INDUSTRIAL WASTEWATER TREA SYSTEMS

Kordek MLX microbicide is recommended f industrial wastewater treatment and sewage this product to sewer systems without previc authority.

Dose Kordek MLX microbicide at 22 - 132 1 water in the system to achieve 265 - 1575 pt Repeat until control is achieved. Badly fould is begun. Dosing may be by slug or continue microbicide at some point in the system to it

PAPERMILLS

Kordek MLX microbicide is recommended t papermaking systems. Add Kordek MLX m beater, wire pit, saveall tank, hydropulper, or point in the system to insure uniform mixing dosing to achieve 265-1575 ppm Kordek MI in the wet end portion of the system.

Apply 2.2 - 13.2 pound (33 - 198 fluid ounc gallon of water in the system or an equivaler Dosing frequency will depend on mill condit fouled systems should be cleaned before init

Kordek MLX Microbicide weighs 8.5 lb/gal

Product Code (91) 373



«LN1»

Container: Code Number Label Number 2/14/06

Code Numb

teel. Do not store or transport in unlined metal od or feed by storage, disposal, or cleaning of

lous. Improper disposal of excess pesticide or r. If these wastes cannot be disposed of by contact your State Pesticide or Environmental Waste representative at the nearest EPA

offer for recycling or reconditioning, or ry landfill, or by other procedures approved by

offer for recycling or reconditioning, or ry landfill or by incineration, or, if allowed by ing. If burned, stay out of smoke.

OR LOCAL DISPOSAL AUTHORITIES FOR LOCEDURES.

brus to its chemical description and it reasonably fit for the coordance with label directions under hormal conditions of use PRESS OR IMPLIED WARRANTIES, EITHER OF PARTICULAR USE. Handling, storage, and use of the 1 of Rohm and fass and SCI. Risks such as ineffectiveness in, but not limited to, failure to follow directions will be VILL ROHM AND HAAS OR SELLER BE HELD LIABLE IRECT DAMAGES RESULTING FROM THE HANDLING,

DIRECTIONS FOR USE

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

Refer to the table at the bottom of this section for dosing details for the following applications.

MINERAL DISPERSION PRESERVATON

Kordek MLX is recommended for the control of bacteria and fungi in the manufacture and storage of mineral dispersion.

NOTE: Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 150 ppm in the final use dilution.

PRINTING FLUID PRESERVATIVE

Kordek MLX microbicide is recommended for the control of bacteria and fungi in water-based printing inks, such as flexographic, gravure, screen, and ink jet printing inks.

Kordek MLX microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners.

Kordek MLX microbicide is recommended for the control of bacteria and fungi in fountain solutions used for lithographic printing operations. Kordek MLX should only be used in those fountain solution concentrates which are automatically diluted prior to use.

Kordek MLX is also recommended as a preservative for photoplate processing chemicals such as stabilizer solutions. Kordek MLX should be added to the fountain solution concentrate or processing chemical concentrate at a level to ensure that the final use-dilution fluid will contain the desired concentration.

lb. of product per 1000 lb. fluid	kg of product per 453 kg fluid	ppm of product	ppm active ingredient
0.265 ть.	120 g	265 ppm	25 ppm
1.575 lb.	715 g	1575 ppm	150 ppm

POLYMER LATEX PRESERVATION

Kordek MLX is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices.

ELECTRONIC CHEMICALS PRESERVATION

Kordek MLX is recommended for the control of bacteria and fungi in electronic chemicals.

For the above applications add 1.05 - 2.63 lbs of Kordek MLX (476gm - 1.2kg) to each 1000 lbs (453kg) of fluid to provide 1052 - 2630 ppm product(100-250ppm active isothiazolones).

ADHESIVE AND TACKIFIER PRESERVATION

Kordek MLX is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives and tackifiers.

lb of product per1000lb.fiuld	kg of product per 453 kg fluid	ppm of product	ppm active ingredient
0.79 lb	0.36 kg	790 ppm	75 ppm
1.575 lb	0.715 kg	1575 ррт	150 ppm

FOOD CONTACT

As an antimicrobial agent for adhesives and components of adhesives at a level not to exceed 150 ppm.

As an antimicrobial agent for polymer latex emulsions in paper coatings at a level not to exceed 250 ppm active ingredient.

As an antimicrobial agent for finished paper and paperboard coating formulations and for additives used in the manufacture of paper and paperboard including latex emulsion, fillers, binders, pigment slurries, and sizing solutions at a level not to exceed 150 ppm active ingredient in the individual additives and not to exceed 150 ppm in the finished coating formulation.

INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND SEWAGE SYSTEMS

Kordek MLX 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.

Dose Kordek MLX microbicide at 22 - 132 pound (2.6 - 15.5 gallon) per 10000 gallon of water in the system to achieve 265 - 1575 ppm product (25 - 150 ppm active ingredient). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun. Dosing may be by slug or continuous metered addition. Add Kordek MLX microbicide at some point in the system to insure uniform mixing.

PAPERMILLS

Kordek MLX microbicide is recommended for the control of bacteria, algae and fungi in papermaking systems. Add Kordek MLX microbicide to the headbox, machine chest, beater, wire pit, saveall tank, hydropulper, or fan or broke storage pumps or some other point in the system to insure uniform mixing. Treatment may be by slug or continuous dosing to achieve 26\$-1575 ppm Kordek MLX microbicide (25-150 ppm active ingredient) in the wet end portion of the system.

Apply 2.2 - 13.2 pound (33 - 198 fluid ounce) of Kordek MLX microbicide per 1000 gallon of water in the system or an equivalent based on dry weight of paper produced Dosing frequency will depend on mill conditions and the level of microbial fouling. Badly fouled systems should be cleaned before initial treatment.

Kordek MLX Microbicide weighs 8.5 lb/gallon.

