

707-299

6/19/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D C 20460



Office of Pesticide Programs

JUN 19 2012

Rohm and Haas Company  
100 Independence Mall West  
Philadelphia PA 19106-2399

Attention Valere T Phillip  
Senior Regulatory Specialist

**Subject KORDEK™ MLX Industrial Microbicide**  
EPA Registration No 707-299  
Amendment Dated March 29 2012

The amendment submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA) as amended is acceptable

**Proposed Amendment**

- to lower the use rate in the polymer latex preservation and paint and coatings preservation sections of page 3 of 5 of the product label

**General Comments**

A stamped copy of the 'accepted' product labeling is enclosed for your records

If you have any questions concerning this letter please contact Martha Terry at (703) 308-6217

Sincerely

A handwritten signature in black ink, appearing to read "M Swindell".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)

Enclosure

# KORDEK™ MLX

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

ACCEPTED  
with COMMENTS  
LFA/LSL/LSL/LSL

JUN 19 2012

Under the provisions of the  
Federal Insecticide, Fungicide,  
and Rodenticide Act, this  
product is registered under EPA No.  
707-299



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

### ACTIVE INGREDIENTS

2 Methyl 4 isothiazolin 3 one  
INERT INGREDIENTS

97 %

90.3 %

Total 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 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 EYE DAMAGE AND SKIN BURNS**

**MAY CAUSE ALLERGIC SKIN REACTION**

**MAY BE HARMFUL IF INHALED**

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**MAY BE FATAL 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 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**

**PESTICIDE STORAGE**

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**

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.

**GENERAL**

CONSULT FEDERAL STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES

**CONDITIONS OF SALE AND WARRANTY**

The Seller 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. THE SELLER 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 The 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 THE SELLER BE HELD LIABLE FOR CONSEQUENTIAL SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING STORAGE OR USE OF THIS PRODUCT.

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

JUN 19 2012

**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 PRESERVATION**

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.

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**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.

**IN CONTAINER PRESERVATION**

Kordek MLX is recommended as an in container preservative for the control of bacteria and fungi in industrial and household products including all purpose liquid cleaners, furniture and floor care products, liquid laundry products and surfactants. To insure uniform distribution, slowly disperse Neolone M 10 into product with agitation. Mix thoroughly until evenly dispersed throughout product.

**SURFACTANT CONCENTRATES**

Kordek MLX is recommended as a preservative for the control of bacteria and fungi in surfactants used in industrial and household consumer products.

**TEXTILE CHEMICAL PRESERVATION**

Kordek MLX is recommended for the control of bacteria and fungi in the manufacture and storage of textile processing chemicals. These textile processing chemicals are commonly used in the production of natural and synthetic fibers and fabrics.

<u>lb of product per 1000 lb fluid</u>	<u>kg of product per 453 kg fluid</u>	<u>ppm of product</u>	<u>ppm active ingredient</u>
0.265 lb	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.

For the above application add 0.206 - 2.58 lbs of Kordek MLX (93gm - 1.2kg) to each 1000 lbs (453kg) of fluid to provide 206 - 2580 ppm product (20 - 250ppm active isothiazolones)

**PAINT AND COATINGS PRESERVATION**

Kordek MLX is recommended as an in container preservative for the control of bacteria and fungi in water based coatings. This product is not intended for use in food contact coatings.

For the above application add 0.206 - 1.55 lbs of Kordek MLX (93gm - 0.715 kg) to each 1000 lbs (453kg) of fluid to provide 206 - 1550 ppm product (20 - 150ppm active isothiazolones)

**ELECTRONIC CHEMICALS PRESERVATION**

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

For the above application 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)

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

**BUILDING MATERIAL PRESERVATION**

Kordek MLX is recommended as an in container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling and grouting.

**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.

<u>lb of product per 1000lb fluid</u>	<u>kg of product per 453 kg fluid</u>	<u>ppm of product</u>	<u>ppm active ingredient</u>
0.79 lb	0.36 kg	790 ppm	75 ppm
1.575 lb	0.715 kg	1575 ppm	150 ppm

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**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 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 sulfate reducing 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 air 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 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 2.2 - 13.2 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

ACCEPTED  
COMMITMENTS  
JUN 19 2012  
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**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 2.2 – 13.2 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 265 – 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

ACCEPTED  
WATER TREATMENT  
JUN 19 2012  
Reg Jo  
707-799