

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 15 2002

Rohn & Haas
100 Independence Mall West
Philadelphia, PA 19106

Attention: Ms. Valerie Phillip

**Subject: Kordek™ 50C Industrial Microbicide
EPA Reg. No. 707-256
Your resubmission of January 11, 2002**

The Agency is conditionally approving your amendment to the registration of the product referenced above under authority of FIFRA Section 3(c)(7)(B). This amendment allows use of the subject product as a preservative and bacteriostatic agent when incorporated into food contact listed in 21 CFR Parts 175 and 176 inclusive, and for use in food contact paper and paper coatings under the provisions of 21 CFR 176.170 (b)

This amendment, and the approved new uses, will expire automatically on December 31, 2004. In addition, during the period that this amendment is effective (approximately 2.5 years), it will be subject to the conditions listed below:

1. The following outstanding data must be submitted by June 1, 2004 to support the **new food contact uses** on the attached stamped label. We note that in your letter dated October 18, 2001, you are aware of the two outstanding data requirements, and requested a Time Limited Registration.

Failure to satisfy the data requirements listed below may result in EPA issuing a notice to cancel this amendment under FIFRA section 6(e). This conditional amendment will expire automatically on December 31, 2004. Sale or distribution of the subject product bearing labeling for these food contact uses after December 31, 2004 it will be illegal.

A. Sub-chronic non-rodent feeding study (830.3150)

B. Two-generation reproductive study (870.3800)

C. Copy of your FDA Petition package

CONCURRENCES

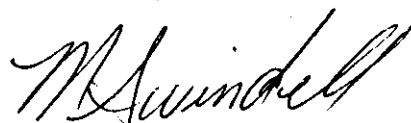
CONCURRENCES							
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This amendment for new food contact uses automatically expires on December 31, 2004. In order for the registration of the use of this product, for incorporation into approved food contact polymers, to continue, the data and information described in items A through C above, must be submitted, reviewed, and found acceptable. In addition, the Agency must make a determination under FIFRA Section 2 (bb)(2) that these uses will not result in unreasonable adverse effects. If the Agency is unable to make this determination, then the registration of these uses for incorporation into approved food contact polymers will expire.

A stamped copy of the accepted label is attached for your records.

If you have any questions about the comments in this letter, please feel free to contact Portia Jenkins at 703-308-6230, or myself at 703-308-6341.

Sincerely,



Marshall Swindell,
Product Manager Team 33,
Regulatory Management Branch I
Antimicrobials Division (7510C)

KORDEK™ 50 C

Made In USA

Avg. Gross: LB KG

Net: LB KG

Avg. Tare: LB KG

Lot

Number:

Industrial Microbicide

Industrial Microbicide For Use In Metalworking Fluid Concentrates, Polymer Latices, Paints and Coatings, Building Materials, Dispersed Pigments, Fuel, Adhesives and Tackifiers, Printing Fluids, Textile Chemical Preservation, In-Container Preservation, and As A Tankside Additive For Metalworking Fluids.



ACTIVE INGREDIENT:

2-Methyl-4-isothiazolin-3-one 50.0%

INERT INGREDIENTS:

50.0%

TOTAL: 100.0%

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.
- 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 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 contraindicate the use of gastric lavage

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE

CAUSES SEVERE EYE DAMAGE AND SKIN BURNS

MAY BE FATAL IF ABSORBED THROUGH THE SKIN OR SWALLOWED

MAY CAUSE ALLERGIC SKIN REACTION

MAY BE FATAL IF INHALED

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. 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. 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 exists, 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.

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Product Code:

7-4796

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 15 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 707-256

Container:
Code Number

Label
Number
50CEPA6
10/16/01

STORAGE AND DISPOSAL PROHIBITIONS

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food, or feed by storage or 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

Rohm and Haas warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage, and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

Date of Manufacture: location for date

EPA Reg. No. 707-256

EPA Est. No. 707-TX-1

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. To be used only by technically qualified persons.

Metalworking Fluid Preservation - Tankside Addition

Kordek 50C microbicide is recommended for the control of bacteria and fungi in water-extensible metalworking fluids (soluble oil, semi-synthetic and synthetic types). The preservative should be dispensed as a tankside additive into the circulating use-dilution of the metalworking fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

Dosing: Use Kordek 50C at 1.0 to 2.0 pints (1.2 to 2.4 lbs. or 75 to 150 ppm active ingredient) per 1000 gallons metalworking fluid every 1-6 weeks. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design.

Metalworking Fluid Concentrates

Kordek 50C microbicide is recommended for the control of bacteria and fungi in water-extensible metalworking fluids (soluble oil, semi-synthetic and synthetic types) when added to the metalworking fluid concentrates. Kordek 50C should be added to the concentrate at a level to ensure that the final use-dilution metalworking fluid will contain Kordek 50C at 150 to 300 ppm (75 to 150 ppm active ingredient). Refer to the below listed table for dosing details.

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.

Dilution of Metalworking Fluid Concentrates	Dose Level	lbs. Kordek 50C per 100 Gal. Conc.	Quarts Kordek 50C per 100 Gal. Conc.
15:1	Minimum	1.8 lb.	3/4 quart
	Maximum	3.6 lb.	1 1/2 quart
20:1	Minimum	2.4 lb.	1 quart
	Maximum	4.8 lb.	2 quart
25:1	Minimum	3.0 lb.	1 1/4 quart
	Maximum	6.0 lb.	2 1/2 quart

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

Paint and Coating Preservation

Kordek 50C microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings and paints used for architectural product finishes, and special purpose coatings such as industrial maintenance paints.

Building Material Preservation

Kordek 50C microbicide 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.

Printing Fluid Preservation

Kordek 50C microbicide is recommended for the control of bacteria and fungi in water-based printing inks such as flexographic, gravure, screen, UV/EB inks and ink jet printing inks. Kordek 50C 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 50C microbicide is recommended for the control of bacteria and fungi in fountain solutions used for lithographic printing operations. Kordek 50C should only be used in those fountain solution concentrates which are automatically diluted prior to use. Kordek 50C is also recommended as a preservative for photoplate processing chemicals such as stabilizer solutions. Kordek 50C 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 150 - 300 ppm product (75 - 150 ppm active ingredient).

Adhesive and Tackifier Preservation

Kordek 50C microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives such as animal glues, natural rubber latices, polyvinyl acetate, styrene/butadiene and acrylic latices. Kordek 50C is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

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.

lb. Kordek 50C per 1000 lb. fluid	kilogram Kordek 50C per 453 kg fluid	PPM Kordek 50C	PPM Active Ingredient
0.15 lb.	0.07 kg	150 ppm	75 ppm
0.30 lb.	0.14 kg	300 ppm	150 ppm

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Polymer Latex Preservation

Kordek 50C 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; and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein-derived polymers, starches and casein-derived polymers. Add 0.2 - 0.5 pounds Kordek 50C (0.09 - 0.23 grams) to each 1000 pounds (453 kilograms) of emulsion to provide 200 - 500 ppm product (100 - 250 ppm active ingredient).

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

In-Container Preservation

Kordek 50C is recommended as an in-container preservative for the control of bacteria in industrial and household consumer products, including all-purpose liquid cleaners, furniture and floor care products, liquid laundry products, aqueous raw materials such as silicone emulsions, and surfactants. To insure uniform distribution, slowly disperse Kordek 50C into product with agitation. Mix thoroughly until evenly dispersed throughout product.

Textile Chemical Preservation

Kordek 50C is recommended for the control of bacteria and fungi in the manufacture and storage of textile processing chemicals such as fiber lubricants, spin finishes, sizes, dyestuffs, textile printing inks, dispersants, thickeners, dye fixatives, hand builders and weighters. These textile processing chemicals are commonly used in the production of natural and synthetic fibers and fabrics.

Dispersed Pigment Preservation

Kordek 50C microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin and montmorillite clays, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, and magnesium silicate used in paint and paper productions

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.

lb. Kordek 50C per 1000 lb. fluid	gram Kordek 50C per 453 kg fluid	PPM Kordek 50C	PPM Active Ingredient
0.05 lb.	22.7 g	50 ppm	25 ppm
0.30 lb.	136.2 g	300 ppm	150 ppm

Fuel Preservation

Kordek 50C microbicide is recommended for the control of bacteria and fungi in the following liquid hydrocarbon fuels and oils: crude oils, aviation fluids, kerosene, heating oils, residual fuel oils, coal slurries, liquefied petroleum gases, petrochemical feedstocks and diesel fuels for off-road vehicles only. Kordek 50C may not be added to any diesel fuel intended for use in any self-propelled motor vehicle designed for transporting persons or property on a street or highway.

METHOD OF ADDITION: Kordek 50C microbicide should be directly dispensed into a fuel tank, storage tank or flowing stream of fuel in a manner to ensure uniform distribution of the preservative in the fuel system. Slug dose or continuous feed methods are recommended.

CURATIVE DOSE: When the system is noticeably fouled, add 0.23 - 0.5 gallons of Kordek 50C per 10,000 gallons of fluid in the system. This will provide 30 - 60 ppm of Kordek 50C and 15 - 30 ppm active ingredient. Repeat until control is achieved.

MAINTENANCE DOSE: When the system is not noticeably fouled, add 0.13 - 0.36 gallons of Kordek 50C microbicide per 10,000 gallons of fluid to maintain the system. This will provide 16 - 44 ppm of Kordek 50C and 8 - 22 ppm active ingredient. Repeat every 4-6 weeks or when microbial contamination is detected.

FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

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.

Kordek 50C weighs 9.7 lbs per gallon

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