

KORDEK 50 C

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.



Lot Number
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ALB KG
vLB KG
gLB KG

Acceptance Stamp on Pg. 4 of 4

ACTIVE INGREDIENT

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

INERT INGREDIENTS

50.0%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

IF ON SKIN: Wash thoroughly with soap and plenty of water. Remove contaminated clothing and wash before re-use. Get medical attention if irritation occurs.

IF INHALED: Remove person to fresh air. Get medical attention.

IF SWALLOWED: Wash mouth thoroughly with plenty of water and give water or milk to drink. Get medical attention immediately. Do not give liquids to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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.

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

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 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.

Kordek 50C weighs 9.7 lbs per gallon

102-154

Product
Code
(91)

HLN1»

Container
Code Number Label Number
«SNI» 50CEPA

**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.

Date of Manufacture: location for date

EPA Reg. No. 707-256

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. To be used only by technically qualified persons. This product is not cleared for use in those indirect food applications which are regulated by the Food and Drug Administration (FDA) under the Federal Food, Drug and Cosmetic Act.

Metalworking Fluid Preservation - Tankside Addition

Kordek 50C microbicide is recommended for the control of bacteria and fungi in water-extendible 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-extendible 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.

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

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 and fungi in industrial and household consumer products, including all-purpose liquid cleaners, furniture and floor polishes, and anti-tarnish products, air fresheners, carpet shampoos and pre-spotters, liquid dishwashing detergents, automotive appearance products, such as cleaners, waxes and polishes, liquid laundry products, such as fabric softeners, laundry detergents, pre-spotters and spray starch, aqueous raw materials such as silicone emulsions, and surfactants used in industrial and household consumer products and package utility products, such as pre-moistened sponges and mops. 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.

<u>lb. Kordek 50C</u> <u>per 1000 lb. fluid</u>	<u>gram Kordek 50C</u> <u>per 453 kg fluid</u>	<u>PPM Kordek 50C</u>	<u>PPM Active</u> <u>Ingredient</u>
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. Kathon FP 1.5 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.

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).

ACCEPTED
 JAN 22 1998
 Under the Federal Insecticide, Fungicide, and
 Rodenticide Act as amended, for the
 pesticide, registered under
 EPA Reg. No. 707-256