



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 17, 2023

Leigh Ann Richardson  
Sr. Manager Regulatory Affairs  
Koppers Performance Chemicals  
Electronic Transmittal: [RichardsonLA@Koppers.com](mailto:RichardsonLA@Koppers.com)

Subject: PRIA Label and CSF Amendment – Amendment of existing CSFs to add sources of active and inert ingredients; Update label directions for use in “Mold control on pressure treated wood” section.  
Product Name: KRD-1501  
EPA Registration Number: 3008-125  
Received Date: 10/26/2022  
Action Case Number: 00403399

Dear Leigh Ann Richardson:

The amended label and CSFs referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6), you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

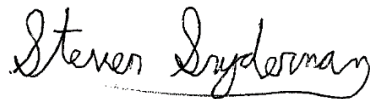
- Basic CSF dated 10/24/2022
- Alternate CSFs 2-5, 8-12, 14-17, 20-23 dated 10/24/2022
- Alternate CSFs 24, 26-29, 2-35 dated 11/21/2022
- Alternate CSFs 1, 6-7, 13, 18-19, 25, 30-31 dated 12/8/2022

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jamie Gobreski by phone at 202-566-0748 or via email at [gobreski.jamie@epa.gov](mailto:gobreski.jamie@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Steven Snyderman". The signature is written in a cursive style with a horizontal line underneath the name.

Steven Snyderman, Product Manager 33  
Regulatory Management Branch II  
Antimicrobials Division (7510M)  
Office of Pesticide Programs

Enclosure: Stamped Final Label

# KRD-1501

Fungicide Suspension Concentrate

For Manufacturing Use to Impart Control of: Sapstain on Freshly Sawn Wood and Decay Protection in Wood Composites, mold, mildew and decay fungal growth in water based wax emulsions, stain and pigment formulations.

For Surface Mold and Mildew Prevention and Suppression of Algae on Cellulosic Materials, Wallboard, Concrete, Masonry and other Building Materials

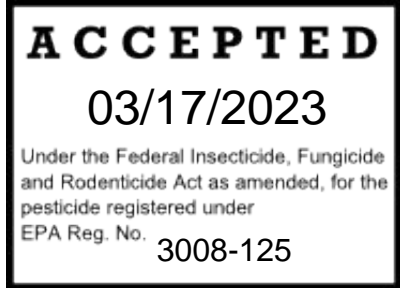
**ACTIVE INGREDIENT:**

Chlorothalonil (tetrachloroisophthalonitrile) .... 40.4%

**OTHER INGREDIENTS:** ..... 59.6%

**TOTAL:** ..... 100.0%

Contains 4.17 pounds Chlorothalonil active ingredient per gallon.



**KEEP OUT OF REACH OF CHILDREN  
WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

**FIRST AID**

<b>IF INHALED:</b>	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.
<b>IF IN EYES:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>IF SWALLOWED:</b>	Call a poison control center for doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>IF ON SKIN OR CLOTHING:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**NOTES TO PHYSICIAN:** Probable mucosal damage may contra-indicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC web site: [www.npic.orst.edu](http://www.npic.orst.edu)). For emergencies, call the poison control center 1-800-222-1222.

EPA Reg. No. 3008-125 EPA Est. No: XXXXX-XX-XX

**Manufactured For:**

Koppers Performance Chemicals Inc.  
1016 Everee Inn Rd.  
Griffin, GA 30224

**NET CONTENTS:** \_\_\_\_\_ **BATCH NUMBER:** \_\_\_\_\_

**PRECAUTIONARY STATEMENTS:  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
KEEP OUT OF REACH OF CHILDREN**

**WARNING.** May be fatal if inhaled. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed. Wear protective eyewear (goggles, face shield, or safety glasses). Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and gloves. Do not breathe vapor or spray mist. Wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/ NIOSH approval number prefix TC-23), or a canister approved for pesticides (MSHA/ NIOSH approval number prefix TC-J 4G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear
- Waterproof gloves (some of the materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

**USER SAFETY RECOMMENDATIONS**

Users must:

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**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.

**PHYSICAL AND CHEMICAL HAZARDS**

This product contains a reducer. Keep away from oxidizing agents.

**DIRECTIONS FOR USE**

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

This product is used to protect treated articles from decay, mold or mildew, including wood and wood composites.

This product must not be sold as a mildewcidal paint additive designed for direct sale to retail customers, e.g., in a "pillow pack" or other small volume or one-use package.

This product must not be used as an in-container preservative.

Mix contents slowly before using to assure uniform mixture. KRD-1501 is an aqueous dispersion containing 40.4% (wt/wt) active ingredient. KRD-1501 is to be used in water-based or water-compatible products only.

Do not apply this product by means of ultra-low volume mist-blowers or thermal "fogging" devices.

## **WOOD PRESERVATIVE STAINS**

**Above Ground Application:** Add KRD-1501 at the rate of 10 to 25 pounds (1 to 2.5 gallons) per 100 gallons of water-based wax emulsion concentrate, stain or pigment concentrates to prevent growth of mold, mildew, and wood decay fungi.

KRD-1501 can be added during the pigment grind operation, during or after letdown, or post-added to a finished product. KRD-1501 is compatible with stains/pigment formulations containing iron oxides. It is the responsibility of the formulator to determine the suitability of KRD-1501 for this use and to obtain end-use product registrations.

## **FRESHLY SAWN WOOD**

To prevent sapstain and surface mold growth on freshly sawn wood, mix KRD-1501 into water-based dip treatment suspensions at the rate of 5 to 10 lbs. (0.5 to 1 gallon) per 100 gallons of water. Use the high rate if the wood to be treated is expected to remain in undried condition for a prolonged period.

Dip freshly sawn wood products into the treatment suspension for one minute, which should be sufficient time to permit thorough coating of the wood surfaces. Maintain thorough agitation of the treatment suspension while wood is being treated.

Because of the variation in susceptibility of fresh sawn wood related to the type of wood, sawing and storage methods, temperature and humidity conditions, treatment method etc. it is recommended that field tests are performed in order to optimize the means of application and the concentration of the treatment formulation. For best results, treat wood as soon as possible after it is sawed. Additional treatment suspension can be added to the treatment vessel provided the appropriate dilution is first prepared in a suitable container prior to adding to the treatment vessel. The treatment vessel may be cleaned by draining and rinsing with clean water or an aqueous detergent solution. Do not dispose of spent treatment suspensions or treatment vessel washings in any manner that may contaminate soil or water.

## **SEASONED WOOD**

To control mildew and mold fungi on seasoned wood above ground, mix KRD-1501 with water, water repellent, or latex coating at the rate of 10 to 25 lbs. (1 to 2.5 gallons) per 100 gallons and apply by brush, dip, or spray.

## **MOLD CONTROL ON PRESSURE TREATED WOOD**

Use this product to control mildew and mold fungi on wood pressure treated with water-borne preservatives and with other mold inhibitors approved by EPA for wood treatment. Treat with KRD-1501 in the following manner:

- **APPLY WITH PRESSURE TREATMENT:** Add 0.02 to 0.06 gallons of KRD-1501 to 100 gallons of pressure treating solution. Apply by vacuum pressure treatment to impregnate wood products that will be exposed to conditions favorable for mold growth.
- **APPLY BEFORE PRESSURE TREATMENT:** Dip wood in a dip vat containing 0.2 to 0.4 gallons of KRD-1501 in 100 gallons of water. This treatment will control mold while wood is air drying prior to pressure treating. If desired, pressure treating may be conducted immediately following to dip treatment.
- **APPLY AFTER PRESSURE TREATMENT:** Dip the pressure treated wood in a dip vat containing 0.2 to 0.4 gallons of KRD-1501 in 100 gallons of water. Conduct this treatment as soon after pressure treating as possible.

## **COMPOSITE WOOD PRODUCTS**

To provide decay protection for composite wood products, such as flakeboard or particle board that is to be used for building siding, sheathing, construction timbers, decking or planking, incorporate KRD-1501 into the wood composite material while it is being manufactured.

Use 1.25 to 12.5 lbs. of KRD-1501 per cubic foot volume of final wood composite. Use the high loading rate in composite wood products that are intended to be installed in contact with soil or concrete, or where the wood is intended to be exposed to conditions with continuously high levels of moisture. Thoroughly incorporate KRD-1501 into the composite material as it is being ground, mixed or blended with adhesives or binding materials prior to final formation of the wood composite matrix.

## **SURFACE MOLD AND MILDEW CONTROL AND SUPPRESSION OF ALGAE ON CELLULOSIC MATERIALS, WALLBOARD, CONCRETE, MASONRY AND OTHER BUILDING MATERIALS**

KRD-1501 is used to treat cellulosic building materials including, paper, cardboard, wood, plywood, particle board, oriented strand board (OSB), composite wood structural components; and wallboard, concrete, masonry (including aggregate block, brick and stone) and other building materials to inhibit or prevent the growth of surface mold and algal organisms when the materials are subjected to moist or wet environments. Before applying this product, visible mold and algal growth must be removed, and conditions favorable to mold and algal growth must be identified and corrected.

This product is compatible with, and may be mixed with wood protection, products containing disodium octaborate tetrahydrate (DOT). The combination of such DOT containing products with KRD-1501 may be more efficacious than KRD-1501 alone. When using a combination system, use the DOT product at the manufacturer's labeled use rate.

When used on the interior sides of living spaces the treated surfaces must be subsequently covered with overlayment materials such as wallpaper, paint, or similar coatings.

DO NOT use on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

### **PREVENTATIVE TREATMENT**

To inhibit surface mold and mildew growth on cellulosic materials, wallboard, concrete, masonry and other construction materials for new or renovated building construction, mix KRD-1501 into water at the rate of 2 gallons (21 lbs.) per 100 gallons of water (2.5 fl. oz. per gallon of water) and apply evenly by paintbrush, airless sprayer, low pressure handwand or backpack sprayer. Assure uniform coverage of surfaces to be protected (approximately 500 square feet per gallon). Surfaces should be evenly wet without runoff or pooling.

When used on interior surfaces, permit treated surfaces to thoroughly dry before painting or affixing overlayment materials such as siding, wallboard or flooring.

Repeat the application of this product as necessary if mold growth appears, follow directions provided below for REMEDIAL TREATMENT. Normally, infrequent application (once a year or longer) will provide effective control. If regrowth occurs, investigate to determine the cause and correct the problem prior to reapplication of KRD-1501. Mold may recur in conditions of persistently high humidity, standing water, or hidden water leaks.

### **REMEDIAL TREATMENT**

KRD-1501 must be used as part of a comprehensive mold remediation or water damage restoration program including:

- Periodic monitoring and inspection of conditions favorable to mold growth such as moisture ingress and high relative humidity.
- Effecting repairs as necessary to eliminate conditions favorable to mold growth.
- Drying of affected areas to below 20% moisture content.

Mix KRD-1501 into water at the rate of 2 gallons (21 lbs.) per 100 gallons of water (2.5 fl. oz. per gallon of water) and apply evenly by paintbrush, airless sprayer, low pressure handwand, or backpack sprayer.

Assure uniform coverage of surface to be protected (approximately 500 square feet per gallon). Surfaces should be evenly wet without runoff or pooling.

Permit treated surfaces to thoroughly dry before painting or affixing overlayment materials such as siding, wallboard or flooring.

Consult the following associations and Internet sites for information on standards and guidelines for remedial treatment of mold and mildew:

IAQA- Indoor Air Quality Association ([www.iaqa.org](http://www.iaqa.org))

EPA- Environmental Protection Agency ([www.epa.gov](http://www.epa.gov))

DOH- New York City Department of Health ([www.nyc.gov/html/doh/html/environmental/moldrpt1.shtml](http://www.nyc.gov/html/doh/html/environmental/moldrpt1.shtml))

IICRC- Institute of Inspection, Cleaning and Restoration Certification (<http://www.iicrc.org/>)

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping prohibited.

**PESTICIDE STORAGE:** Store in a cool place. Protect from excessive heat.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide formulation 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 as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available 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.