



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112
Attn: Luanne Jeram

FEB 25 2014

Subject: METASOL TK-50 AD
EPA Reg. No. 39967-43
Amendment Letter Dated January 12, 2014

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) to update the product label is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) 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.

Should you have any questions concerning this letter, please contact Seiichi Murasaki at murasaki.seiichi@epa.gov or (703) 347-0163.

Sincerely,

A handwritten signature in black ink, appearing to read "Seiichi Murasaki" followed by a flourish and the word "for".

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

METASOL® TK-50 A.D.

INHIBITS MILDEW AND MOLD ON INTERIOR AND EXTERIOR PAINTS, STAINS, ADHESIVE FILMS, SUCH AS WALLPAPER ADHESIVES, GROUT, PAPER PRODUCTS, AND NATURAL & SYNTHETIC FIBERS

ACTIVE INGREDIENT: 2-(4-Thiazoly)Benzimidazole-----50%
INERT INGREDIENTS-----50%
TOTAL-----100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear eye protection, long sleeved shirt, long pants, shoes, socks, and chemical resistant gloves (such as made out of any waterproof material, selection category A). 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. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticide, fertilizers, food and feed. Store in the original container and out of the reach of children, preferably in a locked storage area. Keep container closed when not in use.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide or insecticide 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. **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:** Dispose of as for metal containers. May also be incinerated or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **FOIL OUTER POUCHES OF WATER SOLUBLE PACKETS (WSP):** Offer for recycling, if available, or dispose of the empty outer foil pouch in the trash as long as WSP is unbroken. **POUCHES and DISPENSER** are stable during normal shipping, handling and storage conditions, even when exposed to freezing, and may be disposed in approved waste facilities.

ENVIRONMENTAL HAZARDS

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. (Containers smaller than 5 gallons) Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300

EPA Reg. No.: 39967-43

EPA Est. No.:

LANXESS

LANXESS Corporation

111 RIDC Park West Drive – Pittsburgh, PA 15275-1112

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: 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.

Have the product container or label with you when calling a poison control center or when going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

*Metasol is a registered trademark of LANXESS Corporation
Active ingredient manufactured in India.

Mix well before using this product.

This Product Contains 10 Lbs Metasol TK-50 A.D. Per Gallon

DIRECTIONS FOR USE

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

Paper Products: Metasol TK-50 A.D. is most efficiently applied via the tub or water trough. The tub-size or water-trough solutions should be adjusted to a pH below 4.0. The Metasol TK-50 A.D. should then be added with thorough agitation. Effective dosage levels will range from 0.01 to 0.2% Metasol TK-50 A.D., based on the finished paper weight.

Note: Metasol TK-50 A.D. is a fungicide only. Other LANXESS preservatives should be incorporated into sizing solutions to inhibit any microbial degradation during shelf life. Metasol TK-50 A.D. should only be used for non-food grade paper products.

Canvas Textiles: The simplest treatment method is to prepare a trough with water at pH 3.4 and then add the Metasol TK-50 A.D. to obtain the desired concentration. The fabric is passed through the solution until the proper amount of solution is absorbed on the fabric. A wetting agent may be used to aid the solution in penetrating the fabric. The Metasol TK-50 A.D. should be applied at dosage levels from 0.1 to 0.6% based on finished fabric weight. The amount necessary to provide the desired protection against mold and mildew can then be determined. If deposition of Metasol TK-50 A.D. onto the canvas is desired, a subsequent wash with 1% soda ash solution will suffice. This can be followed by normal processing steps of the canvas textile. Metasol TK-50 A.D. should be used for manufacture of canvas textiles only, such as tents and awnings.

Nylon Carpeting: Using conventional methods such as spin finish application or melt blending, apply 0.05 (spin finish) to 0.5% (melt blending) of Metasol TK-50 A.D. based on total weight of the material being used.

Grouts: Metasol TK-50 A.D. should be added at concentration ranging from 0.10 to 1.6% for superior preservation of a grout system.

INTERNATIONAL 703-527-3887

Net Contents:

Lot No.:

Films: Metasol TK-50 A.D. is a fungicide which prevents mold and mildew for all paint, stains and adhesive films. Metasol TK-50 A.D. blends easily into all standard Latex Type & Oil Base Paints, Coating & Adhesive Formulations.

Interior and Exterior Paints: Metasol TK-50 A.D. can be added at any stage in the formulation provided there is sufficient agitation to properly disperse it throughout the finished product. Levels will range from 0.01 to 0.8% by weight of Metasol TK-50 A.D. depending on the application. This can be determined by laboratory evaluation using the following guidelines:

Paint	Adhesives
Interior Latex Based	Latex Based
Exterior Latex Based	Starch Based
Exterior Zinc Oxide Latex	Dextrin Based
	Casein Based

Paper Products

Based on Finished Paper Weight 0.01 – 0.20%

Natural and Synthetic Fiber

Canvas Textiles 0.10 – 0.80%

Nylon and Other Synthetics 0.10 – 0.80%

Paint Dispenser (64 fluid ounces treats 215 gallons of paint or stain):

(1) Metasol TK-50 AD Dispenser is calibrated to so that when fully pressed down, it will release sufficient mildewicide to treat one (1) gallon of paint. To treat five gallons of paint the dispenser will need to be pressed down and released five (5) times, and so on. Shake or stir thoroughly, then use the paint as directed by the manufacturer. Surfaces to be painted or papered should be cleaned thoroughly with an appropriate cleaner according to manufacturer instructions. Note that this dispenser provides effective protection for normal painted surfaces. For extremely damp area prone to mildew, two pumps should be used and for New York housing authority specifications 3-4 pumps depending on the protection needed. (2) Metasol TK-50 AD can be dispensed into paint via automated metering systems used in the paint pit. Metering systems will deliver 0.3 fluid ounces of Metasol TK-50 AD per dispense to a gallon of paint. To treat five gallons of paint the metering system would need to be activated five (5) times, and so on. Shake or stir thoroughly, then use the paint as directed by the manufacturer. Surfaces to be painted or papered should be cleaned thoroughly with an appropriate cleaner according to manufacturer instructions. NOTE: this metering system provides effective protection for normal painted surfaces. For extremely damp areas prone to mildew, the metering system would need to be activated two (2) times. For New York housing authority specifications 3-4 applications depending on the protection needed.

Paint Pouch (50 grams): Add contents (50 grams) to five (5) gallons of paint, stain or wallpaper adhesive. Shake or stir thoroughly, then use paint as directed by the manufacturer. Surfaces to be painted or papered should be cleaned thoroughly with an appropriate cleaner according to manufacturer instructions. Note that this dispenser provides effective protection for normal painted surfaces. For extremely damp area prone to mildew, two pouches should be used and for New York housing authority specifications 3-4 pouches, depending on the protection needed.

Paint Pouch (10 grams): Add contents (10 grams) to one (1) gallons of paint, stain or wallpaper adhesive. Shake or stir thoroughly, then use paint as directed by the manufacturer. Surfaces to be painted or papered should be cleaned thoroughly with an appropriate cleaner according to manufacturer instructions.

Note that this dispenser provides minimum effective protection for normal painted surfaces. For extremely damp area prone to mildew, two pouches should be used and for New York housing authority specifications 3-4 pouches depending on the protection needed.

Note: Do not use for any paint applications involving direct or indirect food or drinking water contact.

(Not to be used in the State of California to preserve Canvas Textiles or Grouts)

ACCEPTED

02/25/2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 39967-43

LABEL TEXT DATE: 3/15/2010