

39967-30

5/21/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number:
39967-30

Date of Issuance:
MAY 21 2010

Term of Issuance:
Unconditional

Name of Pesticide Product:
Metasol TK-100
Dispersion W

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Luanne Jeram
Lanxess Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Thiabendazole RED, the EPA has reregistered this product. This action is taken under the authority of section 4(g) (2) of the Federal Insecticide, Fungicide and Rodenticide Acts, as amended. Registration under this section does not eliminate the need for continual reassessment of pesticides. The EPA may require submission of data at any time to maintain the registration of the subject product.

If you have any questions concerning this matter, please contact me at (703) 308-6341 or by email at swindell.marshall@epa.gov or ShaRon Carlisle at (703) 308-6427 or by email at carlisle.sharon@epa.gov.

Signature of Approving Official:

Marshall Swindell
Product Manager, Team 33
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

MAY 21 2010

METASOL® TK-100 DISPERSION W

TO INHIBIT THE GROWTH OF MOLD AND MILDEW ON ADHESIVE FILMS, PAINT FILMS, GROUT, PAPER PRODUCTS, AND NATURAL AND SYNTHETIC FIBERS AND COATINGS (INCLUDING HEATING AND AIR CONDITIONING SYSTEMS)

ACTIVE INGREDIENT: 2-(4-Thiazolyl)Benzimidazole ----- 50.0%
 INERT INGREDIENTS ----- 50.0%
 TOTAL ----- 100%

ACCEPTED

MAY 21 2010

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wear long-sleeved shirt and pants, shoes, socks, and chemical resistant gloves and protective clothing when handling. User should wash hands before, eating, drinking, chewing gum, tobacco, or using the toilet.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, 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: Metal containers or Plastic Containers. Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning if appropriate. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities. Plastic Containers: May be incinerated or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

DIRECTIONS FOR USE

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

Adhesive Films: The following concentrations must be used to provide mildew control on water-based adhesive films. The concentrations are based on the total adhesive formulation weight. Metasol TK-100 Dispersion W can be incorporated with the make-up water or as a post-additive in adhesive production. Metasol TK-100 Dispersion W or other LANXESS preservatives should be incorporated into the aqueous adhesives formulation to inhibit in-can bacterial degradation during shelf storage.

Metasol TK-100 Dispersion W should not be used where the treated adhesive comes in contact with food packaging materials or on food contact surfaces. Testing should be conducted to assure compatibility with product formulation.

Adhesive Type	% Concentration Metasol TK-100 Dispersion W
Polyvinyl Acetate, Polyvinyl Alcohol, or Hydroxyethyl Cellulose	0.2 - 0.3
Styrene-Butadiene, Methyl Cellulose, Acrylic, Dextrin, Epoxy, or Polyester	0.1 - 0.2
Casein	0.3

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300
EPA REGISTRATION NUMBER: 39967-30
EPA ESTABLISHMENT NUMBER:

LANXESS

LANXESS Corporation
 111 RIDC Park West Drive • Pittsburgh, PA 15275-1112

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

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.

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 treatment advice.

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 to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eyes 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. 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 doctor, or when going for treatment.

* Metasol is a registered trademark of LANXESS Corporation

Active ingredient manufactured in India

INTERNATIONAL 703-527-3887
Net Contents:
Lot No.:

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the consistent registration under 39967-30 EPA Reg. No. ranging from 0.10 to 1.6% for superior preservation of a grout system. (Not to be used in the State of California to preserve Grouts)

Grouts: Metasol TK-100 Dispersion W should be added at concentrations ranging from 0.10 to 1.6% for superior preservation of a grout system. (Not to be used in the State of California to preserve Grouts)

Paint Films - Exteriors: Incorporate into the pigment grind phase of the paint-making operation. The following concentrations are recommended for mold-resistant exterior coatings. Metasol TK-100 Dispersion W or other LANXESS preservatives should be incorporated into latex paint and coating formulations to inhibit any bacterial degradation during shelf storage.

Paint/Coating System	Lb/100 Gal
PVA, Acrylic, Vinyl Acrylic, Zinc Oxide Pigmented Alkyl & Oil Paints	1.0 - 2.0
Alkyd Modified Latex	0.2 - 3.0
Zinc Oxide Pigmented Latex	0.5-1.5
Oil House Paint	2.0 - 3.0
Alkyd	2.0 - 4.0

Paint Films - Interiors: Incorporate with the TiO₂ in the pigment grind for all paint systems. Metasol TK-100 Dispersion W should not be used in coatings that come into direct contact with food. The following concentrations are recommended for mold-resistant interior coatings.

Interior Paint Systems (including heating & air conditioning systems)	Lb/100 Gal
TT-P-0029 Latex Flat	0.2 - 0.5
TT-P-650 Latex Primer	0.1 - 1.0
New York City Housing Authority Coatings	0.5 - 1.5
Sanitary Latex Semi-Gloss	0.5 - 2.0
Oleoresinous Interiors	1.0 - 2.0

Paper Products: Metasol TK-100 Dispersion W is most efficiently applied via the size tub or water trough. The tub-size or water trough solutions should be adjusted to a pH below 4.0. The Metasol TK-100 Dispersion W should then be added with thorough agitation. It has been shown that the resulting pH has no adverse effects on the properties of the starch, equipment, or physical properties of the final product. The Metasol TK-100 Dispersion W should be applied at dosage levels from 200 to 1000 ppm active ingredient based on the finished paper weight.

For use in a coating color, the Metasol TK-100 Dispersion W should be added with agitation to the make-up water, although subsequent raising of the pH with the binder or alkali will precipitate the 2-(4-thiazolyl) benzimidazole. This precipitate will be evenly distributed throughout the coating color. The use of Metasol TK-100 Dispersion W in coating colors is recommended in addition to treatment of the base stock. Metasol TK-100 Dispersion W is a fungicide only. Metasol TK-100 Dispersion W or other LANXESS preservatives should be incorporated into sizing solutions to inhibit any bacterial degradation during shelf storage. NOTE: METASOL TK-100 must be used only for the manufacture of non-food grade paper products. METASOL TK-100 has not been cleared for use in paper or paperboard products intended for use in contact with food. **Canvas Textiles:** Metasol TK-100 Dispersion W is an effective product that has been used successfully in providing mold and mildew resistance to canvas textiles. The simplest treatment method is to prepare a trough with water at pH 3 - 4 and then add the Metasol TK-100 Dispersion W 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-100 Dispersion W should be applied at dosage levels from 500 to 3000 ppm active ingredient based on finished fabric. The amount necessary to provide the desired protection against mold and mildew can then be determined. If deposition of Metasol TK-100 Dispersion W 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-100 Dispersion W should be used for manufacture of canvas textiles only, such as tents and awnings.

Nylon Carpeting: Using spin finish application, add 0.10 - 0.4 % Metasol TK-100 Dispersion W based on total weight of the material being used.

LABEL TEXT DATE: 12/9/2009

2012