



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 29, 2003

Mr. Stanley C. Oslosky
HES Principal, Regulatory Affairs
Bayer Chemicals Corporation
100 Bayer Road, Bldg. 5
Pittsburgh, PA 15205-9741

Subject: ***Metasol TK-100 Disperion W***
EPA Registration No.39967-30
Application Dated August 4, 2003

Dear Mr. Oslosky:

This following labeling, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with comments.

Proposed Amendment

- Update First Aid Statement per PR Notice 2001-1

Label Comments

1. Revise the Pesticide Storage and Disposal text label to read as follows:

STORAGE AND DISPOSAL

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

"PESTICIDE STORAGE: Add storage text here.

"PESTICIDE DISPOSAL. : Add storage text here.

"CONTAINER DISPOSAL: Add storage text here.

(Refer to PR Notice 83-3 for appropriate storage and disposal language.)

2. In the use direction section for paper products, second sentence under "Note", change the word should to "must" be used only for the manufacture of non-food grade paper products.


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General Comment

Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling. A stamped copy is enclosed for your records.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422, or Lisa McKelvin at (703) 308-7496.

Sincerely,


Adam Heyward
Product Manager (34)
Regulatory Management Branch II,
Antimicrobials Division (7510C)

Enclosure

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION. Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wear chemical resistant gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STORAGE AND DISPOSAL

Keep container closed when not in use. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Do not reuse empty 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.

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 100 W or other Bayer Chemicals preservatives should be incorporated into the aqueous adhesives formulation to inhibit in-can bacterial degradation during shelf storage.

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

ACCEPTED
with COMMENTS
EPA Letter Dated:

SEP 29 2003

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.



Bayer Chemicals

**METASOL® TK-100
DISPERSION W**

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

ACTIVE INGREDIENT:
2-(4-Thiazolyl) Benzimidazole50 %
INERT INGREDIENTS.....50 %
TOTAL..... 100 %

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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.
 - 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 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.
 - IF INHALED: Move person to fresh air. If person is not breathing, call 911 or ambulances, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- Have the product Material Safety Data Sheet (MSDS) with you when calling a poison control center or doctor, or going for treatment.

EPA Reg. No. 39967-30

BAYER CHEMICALS CORPORATION

100 Bayer Road
Pittsburgh, PA 15205

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300
INTERNATIONAL (703)-527-3887

EPA Reg. No. 39967-30

Net Contents 30 Gallons (113 L)

© Metasol is a registered trademark of Bayer Chemicals Corporation
Active ingredient manufactured in India.

PAINT FILMS - EXTERIORS Incorporate following concentrations are recommended W or other Bayer Chemicals preservatives to inhibit any bacterial degradation during

Paint/coating
PVA
Acrylic
Vinyl acrylic
Alkyd Modified Latex
Zinc Oxide Pigmented
Oil House Paint
Alkyd
Zinc Oxide Pigmented

PAINT FILMS - INTERIORS
Incorporate with the TiO₂ in the pigment not be used in coatings that come into direct contact with food. Recommended for mold-resistant interiors.

Interior Paint (including heating systems)
TT-P-0029 Latex Flat
TT-P-650 Latex Primer
New York City Housing Sanitary Latex Semi-Gloss
Oleoresinous Interiors

PAPER PRODUCTS
Metasol TK-100 Dispersion W is most effective on water-soluble acidic adhesives. Dispersion W is a water-soluble acid that reverts to the insoluble 2-(4-Thiazolyl) benzimidazole is stable and active under highly acidic conditions. However, once precipitated solutions should be adjusted to a pH of 7 with thorough agitation. It has been shown to be effective on starch, equipment, or physical properties should be applied at dosage levels from 200 to 3000 ppm. For use in a coating color the Metasol TK-100 Dispersion W should be added to the water. Although subsequent raising of pH will precipitate the benzimidazole. This precipitate will be removed by filtration. Metasol TK-100 Dispersion W is a fur preservative should be incorporated into storage.

Note: Metasol TK-100 Dispersion W is not intended for use in contact with food.

CANVAS TEXTILES
Metasol TK-100 Dispersion W is an effective mildew resistance to canvas textiles. Add 3-4 ml per liter of the Metasol TK-100 Dispersion W to the solution until the proper dosage levels from 500 to 3000 ppm are achieved. This provides the desired protection against mildew. Metasol TK-100 Dispersion W should be applied to the canvas before use. This can be followed by normal processing. This can be followed by normal processing to be used for manufacture of canvas textiles.

NYLON CARPETING
Using spin finish application, add 0.1 ml per liter of material being used.