



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 15, 2017

Marcia Croce
Regulatory Special Affairs
Lanxess Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

Subject: Label Amendment – Clarifying Non-Apparel Uses
Product Name: Metasol TK-100 Dispersion W
EPA Registration Number: 39967-30
Application Date: 10/31/2017
Decision Number: 536079

Dear Ms. Croce:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is 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. 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.

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 the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. 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) list 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. 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 Compliance.

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

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with FIFRA section 6. If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at heffernan.aline@epa.gov.

Sincerely,



Zeno Bain, Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Stamped Label

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%

KEEP OUT OF REACH OF CHILDREN CAUTION

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.

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.

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

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.

ACCEPTED

Dec 15, 2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 39967-30

EPA REG.No.: 39967-30

EPA EST. No.:

Net Contents:

Lot No.:

LANXESS

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275

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 can 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

Grouts: Metasol TK-100 Dispersion W should be added at concentration 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 can 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
Oleo-resinous 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.

NATURAL AND SYNTHETIC FIBERS - TEXTILES, FABRICS, CANVAS AND CORDAGE (NOT FOR APPAREL):

Metasol TK-100 Dispersion W will inhibit molds and mildews which cause odors and stains on products such as canvas, cordage, shower curtains and drapes. Metasol TK-100 Dispersion W also protects building materials such as awnings, boat covers, carpets (carpet backing only), cordage, tents, tarpaulins and wall-covering yarn. To inhibit fungal growth, Metasol TK-100 Dispersion W should be added at levels between 0.1% and 0.8% by weight of finished product.

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: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning if appropriate. METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures. PLASTIC CONTAINERS: Dispose as for metal containers. May also be incinerated or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

*Not for use in the State of California