



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 13, 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  
EPA Registration Number: 39967-33  
Application Date: 10/31/2017  
Decision Number: 536081

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](mailto: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

TO INHIBIT THE GROWTH OF MOLD AND MILDEW ON ADHESIVE FILMS\*, SEALANTS\*, GROUT\*, PAINT FILMS, PAPER PRODUCTS\*, HEATING AND COOLING SYSTEM FILTERS AND/OR ROOM AIR CLEANERS/PURIFIERS\*, PLASTICS\*, PLASTIC INTERMEDIATES\* AND NATURAL AND SYNTHETIC FIBERS\*. \*Not for Use in the State of California

ACTIVE INGREDIENT: 2-(4-Thiazolyl)Benzimidazole -----99.5%  
INERT INGREDIENTS -----0.5%  
TOTAL -----100%

**ACCEPTED**

Dec 13, 2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 39967-33

## KEEP OUT OF REACH OF CHILDREN WARNING

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Mixer, loaders and applicators must wear: Long sleeved shirts and long pants, socks plus shoes, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. Chemical resistant gloves and eye protection may be worn. User should wash hands before eating, drinking, chewing gum, tobacco, or using the toilet. User must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during applications.

#### 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.

#### FIRST AID

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 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.

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**

#### 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: Metal or plastic containers: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning if appropriate. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. 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.

When the water-soluble bags have been removed, dispose of corrugated box in a sanitary landfill, by incineration, or, if allowed by State and Local Authorities, by burning. If burned, stay out of smoke.

#### LEVELS OF USE

The following ranges for specific product applications are based on total formulation weight. Exact levels, within the ranges specified in the following table and "Directions for Use" section, will depend on individual formulation components, production procedures, storage time, and environmental conditions, and should be determined by laboratory testing.

® Metasol is a registered trademark of LANXESS Corporation.

Product Application Concentration	
Adhesives *	0.05 – 0.15%
Paints	
Exterior	0.05 – 0.4%
Interior	0.01 – 0.1%
Paper Products*	0.02 – 0.1%
Sealants*	0.01 – 0.1%
Grout*	0.05 – 0.8%
Natural and Synthetic Fibers *	0.05 – 0.5%
Air filters (heating & cooling filters) and/or room air cleaner/purifiers*	0.1 - 0.5%
Plastics*	0.1 – 0.3%
Vinyl chloride or Urethane	0.2 – 0.3%
Polypropylene, Polyethylene, or Nylon	

#### DIRECTIONS FOR USE

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

**ADHESIVE FILMS\*:** Metasol TK-100 use rates for adhesives range from 0.05 to 0.15%. METASOL TK-100 can be incorporated with the makeup water. Other LANXESS preservatives should be incorporated into the aqueous adhesive formulations to inhibit in-can microbial degradation during shelf storage. METASOL TK-100 cannot be used where the treated adhesive comes in contact with food packaging materials or on food contact surfaces.

**PAINT FILMS:** Metasol TK-100 use rates for exterior paints range from 0.05 up to 0.4%. In interior paints, dosages range from 0.01 up to 0.1%. METASOL TK-100 should be incorporated into the pigment grind phase of the paint making operation. Other LANXESS preservatives should be incorporated into latex paint formulations to inhibit any microbial degradation during shelf storage.

**SEALANTS\*:** Metasol TK-100 should be incorporated into the sealant formulation to inhibit any microbial growth on the sealant or part coated by the sealant during the use of the part.

**GROUT\*:** Add METASOL TK-100 at concentrations ranging from 0.05% - 0.8% for superior preservation of a grout system. Add METASOL TK-100 to dry batch of grout material and blend for 3 minutes to achieve adequate long-term microbial protection

**PAPER PRODUCTS\*:** METASOL TK-100 is most efficiently applied via the size tub or water troughs. The tub-size or water-trough solutions should be adjusted to a pH below 4.0. The METASOL TK-100 should then be added with thorough agitation. Add METASOL TK-100 at use rates from 0.02 to 0.1% based on the finished paper weight. For use in a coating color, the METASOL TK-100 should be added with agitation to the makeup water. METASOL TK-100 is a fungicide only. Other LANXESS preservatives should be incorporated into sizing solutions to inhibit any microbial degradation during shelf storage. NOTE: METASOL TK-100 can only be used only for the manufacture of non-food grade paper products.

**AIR FILTERS (heating & cooling filters and/or room air cleaners/purifiers)\*:** For protection against mold and mildew, METASOL TK-100 may be incorporated directly into the hot melt. METASOL TK-100 may also be added with moderate agitation to the latex binder before spraying onto the web. Use concentrations in either case range from 0.1 to 0.5% based on total weight of the formulation.

**PLASTICS\*:** Add to master batch after melting pellets. Allow time for uniform mixing before injection. METASOL TK-100 may not be used where treated plastic comes in contact with food packaging materials or on food contact surfaces.

**TREATED PLASTIC INTERMEDIATE\*:** This product is a pesticidal additive designed to protect treated intermediate plastic products and treated plastic products from the growth of mold and mildew. For use in industrial plastic intermediates at a level up to 25%. This rate applies only to intermediate manufacturing/industrial uses. It does not apply to active ingredient concentrations in consumer finished products.

METASOL TK-100 cannot be used where treated plastic comes in contact with human drinking water or food.

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

(Metasol TK-100 will inhibit molds and mildews which cause odors and stains on products such as canvas, cordage, shower curtains and drapes. Metasol TK-100 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 is to be added at levels between 0.05% and 0.5% by weight of finished product. \* Not for Use in the State of California

**EPA REG. NUMBER: 39967-33**

**Net Contents:**

**EPA EST. NUMBER:**

**Lot No.:**

LABEL TEXT DATE: 12/8/2017

# LANXESS

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