



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

39967-33

Date of Issuance:

MAY 21 2010

Term of Issuance:

Unconditional

Name of Pesticide Product:

Metasol TK-100

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

ACCEPTED

MAY 21 2010

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

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* AND NATURAL* AND SYNTHETIC* FIBERS.

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

ACCEPTED

MAY 21 2010

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**

TYPICAL LEVELS OF USE

The following ranges for specific product applications are based on total formulation weight. Individual formulation components, production procedures, storage time, and environmental conditions, and should be determined by laboratory testing.

Effective 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%
Canvas Textiles*	0.05 - 0.3%
Nylon Carpeting*	0.05 - 0.5%
Air filters (heating & cooling filters) and/or room air cleaner/purifiers*	0.1 - 0.5%
Plastics*	
Vinyl chloride or Urethane	0.1 - 0.3%
Polypropylene, Polyethylene, or Nylon	0.2 - 0.3%

*Metasol is a registered trademark of LANXESS Corporation.

Product manufactured in India DIRECTIONS FOR USE

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

ADHESIVE FILMS*: Normal TK-100 dosages 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 should not be used where the treated adhesive comes in contact with food packaging materials or on food contact surfaces. **PAINT FILMS***: Normal TK-100 dosages 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***: METASOL TK-100 should be added 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. The METASOL TK-100 should be applied at dosage levels 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 should 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. **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. Dosage 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 should not be used where treated plastic comes in contact with food packaging materials or on food contact surfaces. **CANVAS TEXTILES***: The simplest treatment method is to prepare a trough with water at pH 3-4 and then to add the METASOL TK-100 to obtain the desired concentration. The fabric is passed through the solution until the proper amount of solution is absorbed onto the fabric. A wetting agent may be used to aid the solution in penetrating the fabric. The METASOL TK-100 should be applied at dosage levels from 0.05 to 0.3% 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-100 onto the canvas is desired, a subsequent wash with a 1% soda ash solution will suffice. This can be followed by normal processing steps of the canvas textile. METASOL TK-100 should be used for manufacture of canvas textiles only, such as tents and awnings. **NYLON CARPETING***: Using conventional methods such as spin finish or melt blending, apply 0.05 (spin finish) to 0.5% (melt blending) of METASOL TK-100 based on total weight of the material being used.

*Not to be used in the State of California

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. 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.

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.

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 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 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 doctor or when going for treatment.

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300
EPA REGISTRATION NUMBER: 39967-33
EPA ESTABLISHMENT NUMBER:

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



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

LABEL TEXT DATE: 12/16/2009

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