



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

93507-1

Date of Issuance:

10/9/18

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Bio-Tape 48

Name and Address of Registrant (include ZIP Code):

Mayzo, Inc.
 3935 Lakefield Court
 Suwanee, GA 30024

SENT TO:

Dana Sue Lateulere
 Agent for Mayzo, Inc.
 c/o DSL Consulting
 4640 Bicknell Road
 Marbury, MD 20658

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
2. You are required to comply with the data requirements described in the DCI Order, Diiodomethyl p-tolyl sulfone GDCI-101002-1574.

Signature of Approving Official:

Jacqueline Hardy, Product Manager 34
 Regulatory Management Branch II
 Antimicrobials Division (7510P)
 Office of Pesticide Programs

Date:

10/9/18

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 93507-1.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the Basic CSF dated 4/26/2018.

If you have questions, please contact Srinivas Gowda by telephone at 703-308-6354 or by e-mail at gowda.srinivas@epa.gov.

Sincerely,



Jacqueline Hardy, Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Stamped Accepted Label

March 8, 2018

{All text in brackets [xxx] is optional and may or may not be included on a final label.}

BIO-TAPE 48

ACTIVE INGREDIENTS:

Diodomethyl-p-tolyl sulfone..... 95%

OTHER INGREDIENTS..... 5%

TOTAL..... 100%

ACCEPTED

10/09/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 93507-1

E.P.A. Registration No. 93507-R

E.P.A. Est. 91834-TX-1

FIRST AID

IF IN EYES	<ul style="list-style-type: none"> • Hold eye 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 eye. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call 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 do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 further treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.

NOTES TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Maintain adequate ventilation and oxygenation of the patient. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferable with an ophthalmologist. No specific antidote. Treatment to exposure should be directed at the control of symptoms and the clinical condition of the patient.

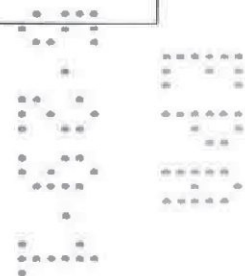
KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF ABSORBED THROUGH THE SKIN. HARMFUL IF INHALED. Do not get into eyes, on skin, or on clothing. Avoid breathing dust. Wear protective eyewear (goggles, face shield or safety glasses). Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.



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PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Socks and shoes
- Chemical resistant gloves (such as or made out of any waterproof material)
- Protective eyewear (goggles or face shield or safety glasses)

Occupational handlers must wear chemical resistant gloves while handling diiodomethyl p-tolyl sulfone.

USER SAFETY REQUIREMENTS

Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Antisapstain treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland, or river to prevent possible runoff of the product into the waterway. Treated lumber stored within 100 feet of a pond, lake, stream or river must be either covered with plastic or surrounded by a berm to prevent surface water runoff into nearby waterway. If a berm or curb is used around the site, it should consist of impermeable materials (clay, asphalt, concrete) and be of sufficient height to prevent runoff during heavy rainfall events.

STORAGE AND DISPOSAL

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

STORAGE: Store in a dry area. Keep container closed when not in use.

PESTICIDE DISPOSAL:

Pesticide wastes are acutely hazardous. 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 DISPOSAL:

Nonrefillable container: Do not reuse or refill this container. Completely empty [liner] [bag] by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into mix tank. Triple rinse [drum

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liner] [bag] and [remove liner and] dispose of [liner] [bag] in a sanitary landfill, or by incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke. Then offer drum for recycling if available. If drum is contaminated and cannot be reused, dispose of it in the manner required for its [liner] [bags].

DIRECTIONS FOR USE

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

USE IN PAINTS

BIO-TAPE 48 is an effective mildewcide and algicide for exterior and interior paints, fire-retardant insulation coating and air duct coating. Use levels in paints and duct coatings will vary depending upon the formulation and expected severity of field conditions.

For roll coat applications only: BIO-TAPE 48 will impart protection when used at levels of 1.6-5 lbs of BIO-TAPE 48 per 100 gallons of paint for severe conditions, while 1-3 lbs BIO-TAPE 48 per 100 gallons of paint is sufficient for less severe conditions. For all other paint application methods, including airless sprayer and brush/roller application: The maximum allowable concentration is 2.5 lb BIO-TAPE 48 per 100 gallons of paint.

BIO-TAPE 48 must be added during the last few minutes of the pigment grind for maximum dispersion. For mildew control of fire-retardant coating add BIO-TAPE 48 at 0.0015 to 0.3% at a point in the production process to ensure sufficient mixing with other dry ingredients.

USE IN PIGMENT DISPERSIONS, INKS, EMULSIONS AND EXTENDER SLURRIES

[Product Not Registered for This Use in California]

To inhibit the growth of spoilage fungi during storage of water-based suspensions and dispersions. BIO-TAPE 48 will impart protection when dosed at 0.02-0.15% (w/w). Add BIO-TAPE 48 at a point in the production process where sufficient mixing will assure good suspension of the material.

USE IN ADHESIVES, CAULKS AND SEALANTS

BIO-TAPE 48 is for use in adhesives and binders, e.g. joint compounds, tile mastics, wallpaper paste, carpet backing, air filters and foil crimp Kraft laminate; and sealants and caulks where mildew growth on the applied or stored product may be a problem. For control of mildew add 0.01-0.30% BIO-TAPE 48 at a point in the production process where sufficient mixing will assure good suspension of the material as other ingredients are added.

USE IN LEATHER TANNING

For use in leather tanning drum only.

BIO-TAPE 48 is used in protecting chrome or vegetable tanned leather from mold and mildew during in-tannery wet processing and for protecting wet-blue during long storage and long transportation times. For normal protection of chrome-tanned cattle hides (based on white weights of hides) use 0.01-0.02% for sheep hides (based on drained pickle weight) 0.05-0.08%, and for goat and small skins use levels must be calculated on the dry basis of the skin weight, assuming limed weight to be 20% dry basis and pickled weight to be 33% dry basis. When long hold or export protections is required, use 0.02-0.04% for cattle, 0.08-0.15% for sheep, and on goat and small skins follow the normal protection directions. Use rate range during retan/color/fatliquor protection of chrome-tanned hides for all hide types are 0.1-0.3 (% on wet blue weight). In all applications add the dry BIO-TAPE 48 through the drum door, preferably by sprinkling across the width of the drum. This must be done just prior to chrome addition, or together with the formate, if formate is added dry prior to chrome. In the case of retan/color/fatliquor, add BIO-TAPE 48 prior to the prime fatliquor feed.

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USE IN WOOD PRESERVATION (For Formulating Use Only)

Do not apply this product to any structure, or use any wood treated with this product in or above water or within 100 feet of any surface water or wetland area. Wood treated with diiodomethyl p-tolyl sulfone shall not be used in the construction of beehives.

BIO-TAPE 48 can be used for control of mildew, sapstain, and wood rotting organisms. Incorporate BIO-TAPE 48 into appropriate vehicles to protect wood from stain and decay. BIO-TAPE 48 can be utilized in either aqueous or solvent-based systems at concentrations ranging from 0.3-0.8% (w/w active ingredient). Solvent-based systems containing mineral spirits require suitable co-solvent for the incorporation of BIO-TAPE 48 into the system. Formulators are responsible for obtaining EPA registration of formulated products.

USE IN RUBBER AND PLASTIC PRODUCTS

Treated plastics cannot be used to manufacture children's toys.

BIO-TAPE 48 is for PVC, polyurethane, rubber, thermoplastic rubber, and other polymeric based products, coating, adhesives, foams, and sealants requiring protection against microbial deterioration. For control of microbial deterioration, use 0.1-0.8% BIO-TAPE 48 based on the total weight of solids in the formulation. BIO-TAPE 48 can be incorporated into the formulation at any convenient stage of the manufacturing process.

USE IN TEXTILES AND NON-WOVENS (Non-clothing)

To prevent mildew growth on products such as canvas, carpet-backing, cordage, drapes, filters, and shower curtains. Use only to treat carpet-backing. Not for use in carpet fibers. Use levels depend upon the expected severity of exposure or end-use conditions. In general, 0.5 to 5.0 lb of BIO-TAPE 48 per 1000 lb dry fabric (500-5000 ppm) is needed. BIO-TAPE 48 is best added together with the water-repellent emulsion or dye to ensure durability.

USE IN PAPER PRODUCTION

[Product Not Registered for This Use in California]

This product aids in the control of objectionable fungi in pulp, paper mills, and the additive system for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, defoamers, polymers, and paper products. This product is used to inhibit fungal growth which causes discoloration, odor, and degradation in paper and paperboard. This product is not cleared for use in the manufacture of paper and paperboard products that come in contact with food. Additions can be made on a continuous or intermittent basis, depending upon the severity of the contamination. Badly fouled systems must be cleaned before treatment is begun. Apply at a point in the system where the product will be uniformly mixed.

Intermittent or Slug Method – Initial Dose: When the system is noticeably fouled, add this product at the rate of 0.0008 to 0.8 lb per ton of pulp or paper produced. Addition to the additive system must be made directly at the rate of 0.004 to 3.32 lb (0.48 to 400 ppm) per 1000 gallons. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add this product at the rate of 0.0008 to 0.4 lb per ton of pulp or paper produced. Treat the system as needed to maintain control. Addition of this product to the additive system may be reduced to 0.004-1.68 lb (0.48 to 200 ppm) per 1000 gallons.

Continuous Feed Method-Initial Dose: When the system is noticeably fouled, add this product at the rate of 0.0008-0.4 lb per ton of pulp or paper produced. Additions of this product to the additive system must be made directly at the rate of 0.004 to 2.52 lb (0.48 to 300 ppm) per 1000 gallons. Continue until control is achieved.

Subsequent Dose: Maintain by continuous feed of this product at the rate of 0.0008 to 0.4 lb per ton of pulp and paper product.

MOLD INHIBITION IN PAPER AND PAPERBOARD

This product is used to inhibit fungal growth which causes discoloration, odor and degradation in paper and paperboard. This product may be applied to the white water or stock at the rate of 0.02 to 3.4 lb per ton of dry fiber produced. For inhibition of wet lap or sheep pulp this product must be applied to the dewatered pulp surfaces via applicator rolls or shower at 0.02 to 3.4 lb per ton of dry fiber produced.

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Application can also be made at the size press or water box. Application is made at the rate of 80 to 8000 ppm of this product in the solution applied to the paper sheet.

PRESERVATION IN PAPER PLANT STORAGE

[Product Not Registered for This Use in California]

This product must be added directly to the material to be preserved prior to manufacturing into the finished product, i.e. pulp, alum, broke, polymers, defoamers, emulsions, adhesives, paper mill coating, pigment, and slurries. The dosage rate will depend upon the material to be preserved and the storage time. The usual additions must be 0.2 ppm for storage of microbial resistant materials up to 250 ppm active for less resistant materials. Under extreme conditions of spoilage, the dosage rate must be increased to 4 to 400 ppm. The above directions are based on a maximum storage time of two weeks.

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonable fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

NET WT:

LOT:

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Suwanee, GA 30024
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