



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 16, 2016

Cheryl Woodward
Sr. Regulatory Specialist
Thor Specialties, Inc.
50 Waterview Drive
Shelton, CT 06484

Subject: Amended Reregistration Label
Product Name: Acticide MBS 5050
EPA Registration Number: 67071-49
Decision Number: 390358

Dear Ms. Woodward:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the BIT and MIT RED, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

NOTE: This product is **not** yet being reregistered under section 4(g) of FIFRA.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated May 29, 2008

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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment or the next printing of the label, whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the

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registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions about this letter, please contact Terria Northern by phone at 703-347-0265, or via email at northern.terria@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Chao". The signature is fluid and cursive, with a large initial "J" and "C".

Julie Chao, Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Accepted label

ACTICIDE® MBS 5050



ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. 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. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Do not store or use near oxidizing or reducing agents.

STORAGE AND DISPOSAL

Pesticide Storage: This product is corrosive to mild steel. Do not store in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 HANDLING

Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: [For containers < 5 gallons in size] - Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. [For containers > 5 gallons in size] - Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Active Ingredients:

1,2-Benzisothiazolin-3-one	5.00%
2-Methyl-4-isothiazolin-3-one	5.00%
Inert Ingredients:	90.00%
Total:	100.00%

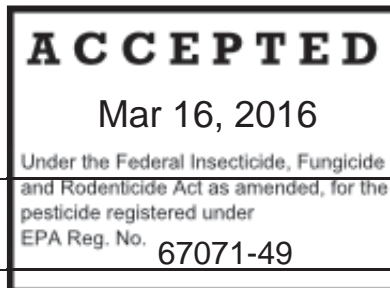
ACTICIDE® MBS 5050 microbicide weighs 8.8 lb. per gallon.

KEEP OUT OF REACH OF CHILDREN DANGER

See Side panel for additional precautionary statements

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 treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> ➢ 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 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.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	
HOT LINE NUMBER: In case of emergency, for additional information call toll free 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

U.S. PATENT NO. 6,361,788 B1



Precautionary Statements: Hazards to Humans and Domestic Animals

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin. Harmful if inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear such as goggles or face shield. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves (such as any waterproof material, selection category A).

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.

DIRECTIONS FOR USE

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

Industrial microbicide for use in polymer latices, paints and coatings, building materials, *adhesives and *tackifiers, mineral slurries, *additives for paper and paperboard, *oil-in-water emulsions, aqueous products, household consumer, industrial, and janitorial products, *metal working fluids, and *textiles/cordage products and *textile/textile fibers-making. READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

* Not approved for these uses in the state of California

CONDITIONS OF SALE AND WARRANTY

Thor GmbH warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label and labeling directions under normal conditions of use. THOR GMBH MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Thor GmbH and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL THOR GMBH OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

EPA Reg. No. 67071-49 EPA Est. No. 67071-DEU-001

Manufactured By/For: Thor GmbH
D-67346 Speyer, Germany

U.S. Office: Thor Specialties, Inc.
50 Waterview Drive; Shelton, CT 06484
USA
Tel. (203) 516-6980

Batch:	Mfg Date:	Net Contents (pounds): (gallons):
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ACTICIDE® MBS 5050 INFORMATION SHEET



THIS ACTICIDE® MBS 5050 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® MBS 5050

DIRECTIONS FOR USE

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

PRESERVATIVE FOR LATICES: ACTICIDE® MBS 5050 microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices (including process wash waters) including: acrylics, styrene-butadiene, carboxylated styrene-butadiene, ethylene-vinyl acetate and biopolymers intended for industrial use such as xanthan gum, gum arabic, guar gum, protein derived polymers, starches and casein derived polymers including latices for paper and paperboard. Add 0.05% to 0.25% ACTICIDE® MBS 5050 (0.5 – 2.5 lbs. to 1000 lbs. of emulsion).

PRESERVATIVE FOR PAINTS AND COATINGS: ACTICIDE® MBS 5050 microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in water based coatings such as paper and wood coatings and paints used for architectural product finishes and special purpose coatings. Add 0.05% to 0.25% ACTICIDE® MBS 5050 (0.5 – 2.5 lbs. to 1000 lbs. of paint, or coating fluid formulation or polymer latex).

***Special purpose coating uses:** Include use as a: <> *preservative for electrodeposition paints or solutions, <> preservative for photoplatin solutions or coatings, <> preservative in fount (or fountain) solutions used in the printing process as a maintenance fluid/coating and as a special coating for printing plates, and <> *preservative in spin finish coatings for fibers. The application/addition directions for these special purpose coating uses are:

***Electrodeposition:** ACTICIDE® MBS 5050 microbiocide is recommended as a tankside additive for the control of bacteria, fungi, and algae in re-circulating electrodeposition systems and associated rinse systems. Alternately, ACTICIDE® MBS 5050 microbiocide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

***Tankside Addition To Electrodeposition Systems:** ACTICIDE® MBS 5050 microbiocide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to insure uniform mixing. When the system is noticeably fouled, add up to 0.3% ACTICIDE® MBS 5050 microbiocide (based on the total gallons of fluid in the system). Repeat until control is achieved. When microbial control is evident, add up to 0.1% ACTICIDE® MBS 5050 (based on the total gallons of fluid in the system) weekly or as needed to maintain the system. A change of frequency of treatment may be required depending on the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

Treatment Of Electrodeposition Paint Components: Initial Dose of Paint Components: ACTICIDE® MBS 5050 microbiocide should be added to the resin, pigment, or other component of the electrodeposition paint at a level to ensure that the final use-dilution fluid will contain no more than 250 ppm isothiazolones

*** Not approved for this use in the state of California**

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DIRECTIONS FOR USE

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

***Photoplate Processing, Photo Processing, Fountain Solutions, And Ink/Ink Components:**

ACTICIDE® MBS 5050 microbiocide is recommended for the control of bacteria and fungi in photoplate processing such as stabilizer solutions and in fountain solutions. ACTICIDE® MBS 5050 microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® MBS 5050 microbiocide is recommended for the control of bacteria and fungi in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners. ACTICIDE® MBS 5050 microbiocide should be added to achieve the recommended dosage range for ink, ink components, fountain solutions and photoplate processing chemicals of 0.05% to 0.25%-on a total weight basis. A level adjustment may be necessary to accommodate the slight change in solution formulations. Up to 250 lb ACTICIDE® MBS 5050 per 1,000 lbs of concentrate may be added to concentrates so long as the final use-dilution product contains not more than 250 ppm active ingredients.

NOTE: To insure uniform mixing, add ACTICIDE® MBS 5050 microbiocide to latex or solution slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.

*** Not approved for this use in the state of California**

PRESERVATIVE FOR BUILDING MATERIALS: ACTICIDE® MBS 5050 microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackles and grouts, and concrete admixtures. Add 0.05% to 0.25% ACTICIDE® MBS 5050 (0.5 – 2.5 lbs. to 1000 lbs. of fluid)..

***PRESERVATIVE FOR ADHESIVES AND TACKIFIERS:** ACTICIDE® MBS 5050 microbiocide is recommended as a preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene and acrylic latices. ACTICIDE® MBS 5050 microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins. Add 0.05% to 0.25% ACTICIDE® MBS 5050 (0.5 – 2.5 lbs. to 1000 lbs. of fluid).

*** Not approved for this use in the state of California**

PRESERVATIVE FOR DISPERSED PIGMENTS (MINERAL SLURRIES): ACTICIDE® MBS 5050 microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as refractory coatings, ceramic glazes, kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieselguhr. Add 0.015% to 0.15% ACTICIDE® MBS 5050 (0.15 – 1.5 lbs per 1000 lbs of dispersion).

***PRESERVATIVE FOR OIL-IN-WATER EMULSIONS:** ACTICIDE® MBS 5050 is recommended for use in spin-finish solutions used in the textile industry and photographic emulsions. Add 0.05% to 0.25% ACTICIDE® MBS 5050 (0.5 – 2.5 lbs. to 1000 lbs. of emulsion).

*** Not approved for this use in the state of California**

ACTICIDE[®] MBS 5050 INFORMATION SHEET



THIS ACTICIDE[®] MBS 5050 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE[®] MBS 5050

DIRECTIONS FOR USE

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

IN-CONTAINER PRESERVATIVE: ACTICIDE[®] MBS 5050 is recommended as an in-container preservative for the control of bacteria and fungi in aqueous products such as aqueous emulsions and dispersions including stabilized oil/water emulsions, surface preparation compounds, foam control products, nutrient solutions and aqueous pesticides which includes, but is not limited to, insecticides, termiticides, fungicides, bactericides, algacides, herbicides, rodenticides [includes use as an in-container preservative for the control of bacteria and fungi in pesticide products for dilution (with a MIT level of not more than 9 ppm in the final solution) applied to crops and for use in pesticide formulations for use on food contact surfaces at rates described for in-container preservative category]. Add 0.025% to 0.25% ACTICIDE[®] MBS 5050 (0.25 – 2.50 lbs. per 1000 lbs. of aqueous product).

HOUSEHOLD, CONSUMER, INDUSTRIAL, INSTITUTIONAL, JANITORIAL PRODUCTS: For the control of bacteria and fungi in liquid and solid soaps, liquid and solid cleaners liquid and solid detergents, liquid and solid laundry products, liquid and solid dishwashing detergents, waxes, polishes liquid and solid fabric treatment/refreshers products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners. ACTICIDE[®] MBS 5050 may also be used for the control of bacteria and fungi in package utility products such as pre-moistened sponges and mops. ACTICIDE[®] MBS 5050 may also be used for the control of bacteria and fungi in solutions that are then put into/onto wet wipes for use in industrial, commercial, residential and household uses cited above. Wet wipes containing a solution preserved with this product may not be used for personal care, as baby wipes, or for food contact. ACTICIDE[®] MBS 5050 is added at a level of 0.006% to 0.2% (0.06 to 2.0 lb to 1000 lb of product to be protected). ACTICIDE[®] MBS 5050 microbiocide may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.006% to 0.20% ACTICIDE[®] MBS 5050 microbiocide.

***PRESERVATIVE FOR METAL WORKING FLUIDS:** ACTICIDE[®] MBS 5050 microbiocide is recommended for the control of bacteria and fungi in aqueous metal working fluid solutions and emulsions. Add 0.75 gallons (6.25 lb.) per 1000 gallons of emulsion every 4 weeks for maintenance of a non-fouled system. For a noticeably fouled system use an initial dose of up to 2.5 gallons (21 lb.) per 1000 gallons emulsion followed by subsequent maintenance dosage above. A higher dosage rate and/or increased frequency of treatment may be required depending upon the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the use dilution of the metal working fluid using a metering pump and uniformly dispersed throughout the system.

*** Not approved for this use in the state of California**

***PRESERVATIVE FOR TEXTILES/CORDAGE PRODUCTS AND TEXTILE-/TEXTILE-FIBERS MAKING:** ACTICIDE[®] MBS 5050 is recommended as a preservative for the control of bacteria and fungi in textiles and non-woven products (such as canvas, carpet, cordage, drapes, and shower curtains), in chemicals commonly used in the production of natural and synthetic fibers and fabrics (such as fiber lubricants, spin finishes, sizes, dyestuffs, textile printing inks, dispersants, thickeners, dye fixatives, hand builders and weighters), and in textile coatings. Add 0.05% to 0.25% ACTICIDE[®] MBS 5050 (0.5 – 2.5 lbs. to 1000 lbs. of fluid).

*** Not approved for this use in the state of California**

ACTICIDE[®] MBS 5050 microbiocide weighs 8.8 lbs. per gallon