

67071-46

11/10/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Thor GmbH  
Landwehrstrasse 1  
D-67346,  
Speyer, Germany

NOV 10 2009

**AGENT: Acti-Chem Specialties, Inc.**  
**56 Quarry Road**  
**Trumbull, CT 06611**

Attention: Lynn P. Tordo, M.S.  
Regulatory Affairs Manager

Subject: ACTICIDE MBL  
EPA Registration No. 67071-46  
Amendment Dated September 11, 2009

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

- For an increase in the minimum use level of an existing use category

Submit two (2) copies of final printed labeling before you release the product for shipment. A stamped copy of the "accepted" product labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in cursive script that reads "M Swindell".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)

Enclosure

# ACTICIDE® MBL



### ENVIRONMENTAL HAZARDS

This pesticide 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.

### STORAGE AND DISPOSAL

**Prohibitions:** 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 Disposal:** Metal container: 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. Plastic container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incinerator or; if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL: CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

### 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 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.

Batch:

Active Ingredients:	
2-Bromo-2-nitro-1,3-propanediol .....	8.00%
1,2-Benzisothiazolin-3-one .....	2.50%
2-Methyl-4-isothiazolin-3-one .....	2.50%
Inert Ingredients: .....	87.00%
Total: .....	100.00%

ACTICIDE® MBL microbiocide weighs 8.9 lb. per gallon.

## KEEP OUT OF REACH OF CHILDREN DANGER

See Side panel for additional precautionary statements  
**FIRST AID**

#### IF IN EYES:

\*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.

\*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 ON SKIN:

\*Take off contaminated clothing.

\*Rinse skin immediately with plenty of water for 15-20 minutes.

\*Call a poison control center or doctor for treatment.

#### 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 further treatment advice.

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

Mfg Date:

NOV 10 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 67071-46

### Precautionary Statements: Hazards to Humans and Domestic Animals

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. Wear goggles, face shield or safety glasses. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical resistant footwear and chemical resistant gloves. Wash thoroughly with soap and water after handling, before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### DIRECTIONS FOR USE

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

Industrial microbiocide for use as a materials preservative for \*aqueous products, \*animal hides and \*leather, \*industrial water systems.

READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

\* Not approved for these uses in the state of California

EPA Reg. No. 67071-46

EPA Est. No. 67071-DEU-001

Manufactured By/For: Thor GmbH  
D-67346 Speyer, Germany  
Tel. (06232) 6360  
Thor Specialties, Inc.  
56 Quarry Road; Trumbull, CT 06611  
Tel. (203) 365-6530

UN 3265, CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S. (2-Methyl-4-isothiazolin-3-one, 1,2-Benzisothiazolin-3-one), 8, PG-III

Net Contents (pounds):

2048



**ACTICIDE® MBL  
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**PRESERVATIVE FOR LATICES:** ACTICIDE® MBL microbicide is recommended for the control of microorganisms in the manufacture and storage of synthetic and natural polymer latices 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% - 0.5% ACTICIDE® MBL based on the weight of emulsion (0.05 to 0.5 lbs ACTICIDE® MBL per 100 lbs emulsion).

**PRESERVATIVE FOR PAINTS AND COATINGS:** ACTICIDE® MBL microbicide is recommended as an in-container preservative for the control of microorganisms in water based coatings such as paper and wood coatings and paints used for architectural product finishes and special purpose coatings. Add 0.05% - 0.5% ACTICIDE® MBL (by weight) to the paint, or coating formulation (0.05 - 0.5 lbs ACTICIDE® MBL per 100 lbs of formulated product). Special purpose coating uses: Include use as a: <> preservative for electrodeposition paints or solutions, <> preservative for photoplating 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® MBL microbicide is recommended as a tankside additive for the control of microorganisms in re-circulating electrodeposition systems and associated rinse systems. Alternately, ACTICIDE® MBL microbicide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system. **Tankside Addition To Electrodeposition Systems:** ACTICIDE® MBL microbicide 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 1.0% (w/v) ACTICIDE® MBL microbicide based on the total gallons of fluid in the system (1.0 lbs per 12 gallons). Repeat until control is achieved. When microbial control is evident, add up to 1.0% (w/v) ACTICIDE® MBL based on the total gallons of fluid in the system (1.0 lbs ACTICIDE® MBL per 12 gallons) 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. \* Not approved for this use in the state of California

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EPA Reg.  
Manufactured For:

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**\*TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS:** Initial Dose of Paint Components: ACTICIDE® MBL 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 500 ppm isothiazolones. **Supplemental Tanked Dosing of Electrodeposition System:** If additional microbial control is necessary, ACTICIDE® MBL microbiocide may be added to the electrodeposition system tankside to supplement the microbiocide incorporated through paint components. If the system becomes noticeably fouled, add up to 1.0% (w/v) ACTICIDE® MBL microbiocide based on the total gallons of fluid in the system (1.0 lbs ACTICIDE® MBL per 12 gallons). Repeat until control is achieved. When microbial control is evident, the system can be maintained by addition of up to 1.0% (w/v) ACTICIDE® MBL microbiocide based on the total gallons of fluid in the system (1.0 lbs ACTICIDE® MBL per 12 gallons) weekly or as needed. *\* Not approved for this use in the state of California*

**\*PHOTOPLATE PROCESSING, PHOTO PROCESSING, FOUNTAIN SOLUTIONS, AND INK/INK COMPONENTS:** ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in photoplate processing such as stabilizer solutions and in fountain solutions. ACTICIDE® MBL microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® MBL microbiocide is recommended for the control of microorganisms in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners. ACTICIDE® MBL microbiocide should be added to achieve the recommended dosage range for ink, ink components, fountain solutions and photoplate processing chemicals of 0.05% to 1.0% on a total weight basis (0.05 to 1.0 lbs ACTICIDE® MBL per 100 lbs product). The optimum level range for acidic fountain solutions is 0.05% to 0.5%; the optimum level range for neutral fountain solutions is 0.05% to 0.8% (0.05 to 0.8 lbs ACTICIDE® MBL per 100 lbs solution). A level adjustment may be necessary to accommodate the slight change in solution formulations. Up to 50% ACTICIDE® MBL based on the weight of concentrate may be added to concentrates so long as the final use-dilution product contains not more than 500 ppm active isothiazolones (a dilution of 100x). NOTE: To insure uniform mixing, add ACTICIDE® MBL 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® MBL microbiocide is recommended as an in-container preservative for the control of microorganisms in building materials such as mastics, caulks, joint cements, spackles and grouts, and concrete admixtures. Add 0.05% - 0.5% ACTICIDE® MBL (0.05 to 0.5 lbs ACTICIDE® MBL per 100 lbs formulated product) to the fluid. *\* Not approved for this use in the state of California*

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**\*PRESERVATIVE FOR ADHESIVES AND TACKIFIERS:** ACTICIDE® MBL microbiocide is recommended as a preservative for the control of microorganisms in water soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene and acrylic latices. ACTICIDE® MBL microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins. Add 0.05% - 0.5% of ACTICIDE® MBL (0.05 to 0.5 lbs ACTICIDE® MBL per 100 lbs formulated product) to the fluid. \* Not approved for this use in the state of California

**\*PRESERVATIVE FOR DISPERSED PIGMENTS (MINERAL SLURRIES):** ACTICIDE® MBL microbiocide is recommended for the control of microorganisms 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 used in paint and paper products. Add 0.05% - 0.5% of ACTICIDE® MBL (0.05 to 0.5 lbs ACTICIDE® MBL per 100 lbs formulated product) to the dispersion. \* Not approved for this use in the state of California

**\*REFRACTORY COATINGS:** ACTICIDE® MBL microbiocide should be added to the refractory coating concentrate at a level of 0.5% to 1.0% on a total weight basis (0.5 to 1.0 lbs ACTICIDE® MBL per 100 lbs concentrate). 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

**\*WET STATE PRESERVATIVE:** ACTICIDE® MBL is recommended as an in-container preservative for the control of microorganisms 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 [includes use as an in-container preservative for the control of microorganisms 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 0.05% - 1.0% ACTICIDE® MBL (0.05 to 1.0 lbs ACTICIDE® MBL per 100 lbs formulation) to the product.

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**ACTICIDE® MBL**  
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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.

**\*HOUSEHOLD, CONSUMER, INDUSTRIAL, INSTITUTIONAL, JANITORIAL PRODUCTS:** For the control of microorganisms 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® MBL is recommended for the control of microorganisms 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 as baby wipes, or for food contact. May also be used for the control of microorganisms in package utility products including pre-moistened sponges and mops in uses cited above. ACTICIDE® MBL is added at a level of 0.05% - 0.4% to the product to be protected (0.05 to 0.4 lbs ACTICIDE® MBL per 100 lbs product). ACTICIDE® MBL microbicide 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 0.05% to 0.40% ACTICIDE® MBL microbicide. \* Not approved for this use in the state of California

**\*PRESERVATIVE FOR OIL-IN-WATER EMULSIONS:** ACTICIDE® MBL is recommended for use in spin-finish solutions used in the textile industry and photographic emulsions. Add 0.05% - 0.5% ACTICIDE® MBL to the emulsion (0.05 to 0.5 lbs ACTICIDE® MBL per 100 lbs emulsion). \* Not approved for this use in the state of California

**\*PRESERVATIVE FOR METAL WORKING FLUIDS:** ACTICIDE® MBL microbicide is recommended for the control of microorganisms in aqueous metal working fluid solutions and emulsions. Add 0.2 % ACTICIDE® MBL to the fluid (0.2 lbs ACTICIDE® MBL per 100 lbs of fluid) every 4 weeks for maintenance of the non-fouled system. For a noticeably fouled system use an initial dose of 0.5%-1.0% ACTICIDE® MBL (0.5 to 1.0 lbs ACTICIDE® MBL per 100 lbs of fluid) 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® MBL is recommended as a preservative for the control of microorganisms 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% - 0.5% ACTICIDE® MBL to the fluid (0.05 to 0.5 lbs ACTICIDE® MBL per 100 lbs fluid). \* Not approved for this use in the state of California

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**\*LEATHER PROCESSING SOLUTIONS, PRESERVATION OF FRESH ANIMAL HIDES AND SKINS:** To preserve the integrity of fresh animal hides and skins prior to or during processing, use 1.0 – 2.4 lb of ACTICIDE® MBL per 1000 pounds of hides or skins. Add the appropriate quantity of ACTICIDE® MBL to the brine solution during the curing operation, or treat hides or skins with an appropriately diluted aqueous solution during other portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment. *\* Not approved for this use in the state of California*

**INDUSTRIAL WASTE-WATER AND WASH-WATER SYSTEMS:** ACTICIDE® MBL microbiocide is recommended for the control of microorganisms. It should be added to the tower basin or some other point to ensure uniform mixing. Add 0.02 – 0.04% of ACTICIDE® MBL (0.02 – 0.04 lbs ACTICIDE® MBL per 12 gallons) weekly or as needed for maintenance. For noticeably fouled systems use an initial dose up to 0.12% ACTICIDE® MBL (up to 0.12 lbs ACTICIDE® MBL per 12 gallons). Repeat if necessary to achieve control. 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.

**\*AIR WASHER SYSTEMS AND PAINT SPRAY BOOTHS:** for use only in industrial air washing systems and paint spray booths that maintain effective mist eliminating components. Add 0.01 – 0.12% ACTICIDE® MBL (0.01 – 0.12 lbs ACTICIDE® MBL per 12 gallons) in the air washer sump, or chill water sump to ensure uniform mixing, for the control of microorganisms. A repeat treatment may be needed depending on the severity of contamination. *\* Not approved for this use in the state of California*

**\*OIL FIELD INJECTION WATERS:** add 0.01 – 0.02% ACTICIDE® MBL (0.01 – 0.02 lbs ACTICIDE® MBL per 12 gallons) to the water weekly or as needed to maintain control of slime-forming and sulfate reducing microorganisms in oil and gas field water systems including enhanced recovery injection fluids and drilling fluids. An initial dose of 0.03 – 0.04% ACTICIDE® MBL (0.03 – 0.04 lbs ACTICIDE® MBL per 12 gallons) may be used until control is achieved. This product may be used for terrestrial and off-shore oil drilling muds and packer fluids. *\* Not approved for this use in the state of California*

**\*PAPER MILLS:** add 0.03 – 0.4% of ACTICIDE® MBL [0.03 – 0.4 lbs ACTICIDE® MBL per 100 lbs pulp or paper (dry basis)] produced as slug dose for the control of microorganisms in the production of paper. ACTICIDE® MBL should be added at a point such as the beater or hydropulper to ensure uniform mixing. *\* Not approved for this use in the state of California*

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**\*INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND CLOSED LOOP COOLING SYSTEMS:** add 0.01 – 0.04% of ACTICIDE<sup>®</sup> MBL (0.01 – 0.04 lbs ACTICIDE<sup>®</sup> MBL per 12 gallons) in the system weekly to maintain control of microorganisms in the reservoir, recirculating line or some other point to ensure uniform mixing. For noticeably fouled systems an initial treatment with 0.02 – 0.12% ACTICIDE<sup>®</sup> MBL (0.02 – 0.12 lbs ACTICIDE<sup>®</sup> MBL per 12 gallons) may be needed depending on the severity of the fouling. \* Not approved for this use in the state of California

**\*ULTRA FILTRATION UNITS, SUCH AS REVERSE OSMOSIS SYSTEMS:** ACTICIDE<sup>®</sup> MBL microbiocide is recommended for the control of microorganisms in ultra filtration units, such as reverse osmosis systems. Add 0.01 – 0.1% ACTICIDE<sup>®</sup> MBL (0.01 – 0.1 lbs ACTICIDE<sup>®</sup> MBL per 12 gallons) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of ACTICIDE<sup>®</sup> MBL microbiocide with reverse osmosis membranes should be confirmed with membrane manufacturers. For the control of microorganisms in carbon beds, add 0.01 – 0.1% ACTICIDE<sup>®</sup> MBL (0.01 – 0.1 lbs ACTICIDE<sup>®</sup> MBL per 12 gallons). For periodic membrane cleaning, add 0.05 – 0.2% ACTICIDE<sup>®</sup> MBL to cleaning solution. Badly fouled systems should be cleaned before treatment is begun.

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