

Label # 450(a2)-08/29/05

THOR

67071-45

01/24/2006

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 or transport 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.

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-BROMO-2-NITROPROPANE-1,3-DIOL, 1,2-benzisothiazol-3(2H)-one), 9, UN 3082, PG-III

ACTICIDE® MBL 5515

Active Ingredients:

- 2-Bromo-2-nitro-1,3-propanediol..... 15.00%
- 1,2-Benzisothiazolin-3-one..... 5.00%
- 2-Methyl-4-isothiazolin-3-one..... 5.00%

Inert Ingredients:

..... 75.00%

Total: 100.00%

ACTICIDE® IM microbiocide weighs 9.1 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.

EPA Reg. No. 67071-45 EPA Est. No. 67071-DEU-001

Manufactured By: Thor GmbH

D-67346 Speyer, Germany Tel. (06232) 6360

U.S. Office: Acti-Chem Specialties, Inc.

56 Quarry Road; Trumbull, CT 06611

Tel. (203) 365-6530

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

DANGER

KEEP OUT OF REACH OF CHILDREN.

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 in polymer latices*, paints* and coatings*, building materials*, adhesives* and tackifiers*, mineral slurries*, additives for paper and paperboard*, oil-in-water emulsions*, as a wet-state preservative for aqueous products*, for use in household cleaning products*, laundry additives*, car care 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 use in the State of California

ACCEPTED

JAN 24 2006
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 67071-45

Pesticide, registered under EPA Reg. No. 67071-45

Batch:	Mfg Date:	Net Contents (pounds):
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1/3

2/3



ACTICIDE® MBL 5515 INFORMATION SHEET

THIS ACTICIDE® MBL 5515 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® MBL 5515

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® MBL 5515 microbiocide is recommended for the control of bacteria and fungi 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 0.1 - 0.5% ACTICIDE® MBL 5515 based on the weight of emulsion.

***PRESERVATIVE FOR PAINTS AND COATINGS:** ACTICIDE® MBL 5515 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 0.1 - 0.5% ACTICIDE® MBL 5515 (by weight) to the paint, or coating fluid formulation.

Special purpose coating uses: Include use as a: <> preservative for electrodeposition paints or solutions, <> preservative for photoplate 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 5515 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® MBL 5515 microbiocide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

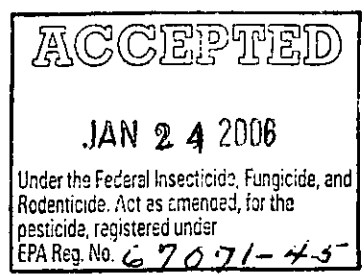
Tankside Addition To Electrodeposition Systems: ACTICIDE® MBL 5515 microbiocide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to insure uniform mixing. When the system is noticeably fouled, add up to 2.4% (w/v) ACTICIDE® MBL 5515 microbiocide (based on the total gallons of fluid in the system). Repeat until control is achieved. When microbial control is evident, add up to 1.0% (w/v) ACTICIDE® MBL 5515 (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® MBL 5515 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

Supplemental Tanked Dosing of Electrodeposition System: If additional microbial control is necessary, ACTICIDE® MBL 5515 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 2.4% (w/v) ACTICIDE® MBL 5515 microbiocide (based on the total gallons of fluid in the system). 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 5515 microbiocide (based on the total gallons of fluid in the system) weekly or as needed.

***PHOTOPLATE PROCESSING, PHOTO PROCESSING, FOUNTAIN SOLUTIONS, AND INK/INK COMPONENTS:** ACTICIDE® MBL 5515 microbiocide is recommended for the control of bacteria and fungi in photoplate processing such as stabilizer solutions and in fountain solutions. ACTICIDE® MBL 5515 microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® MBL 5515 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® MBL 5515 microbiocide should be added to achieve the recommended dosage range for ink, ink components, fountain solutions and photoplate processing chemicals of 0.1 to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2 to 0.5%; the optimum level range for neutral fountain solutions is 0.5% to 0.8%. A level adjustment may be necessary to accommodate the slight change in solution formulations. Up to 50% ACTICIDE® MBL 5515 based on the weight of concentrate may be added to concentrates so long as the final use-dilution product contains not more than 250 ppm active isothiazolones (a dilution of 100x).

NOTE: To insure uniform mixing, add ACTICIDE® MBL 5515 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.



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ACTICIDE® MBL 5515 INFORMATION SHEET

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SHIPMENT OF ACTICIDE® MBL 5515**

DIRECTIONS FOR USE

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***PRESERVATIVE FOR BUILDING MATERIALS:** ACTICIDE® MBL 5515 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 0.1 - 0.5% ACTICIDE® MBL 5515 (by weight) to the fluid.

***PRESERVATIVE FOR ADHESIVES AND TACKIFIERS:** ACTICIDE® MBL 5515 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® MBL 5515 microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins. Add 0.1 - 0.5% (by weight) of ACTICIDE® MBL 5515 to the fluid.

***PRESERVATIVE FOR DISPERSED PIGMENTS (MINERAL SLURRIES):** ACTICIDE® MBL 5515 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 used in paint and paper products. Add 0.1 - 0.5% (by weight) of ACTICIDE® MBL 5515 to the dispersion.

***PRESERVATIVE FOR OIL-IN-WATER EMULSIONS:** ACTICIDE® MBL 5515 is recommended for use in spin-finish solutions used in the textile industry and photographic emulsions. Add 0.1 - 0.5% (by weight) ACTICIDE® MBL 5515 to the emulsion.

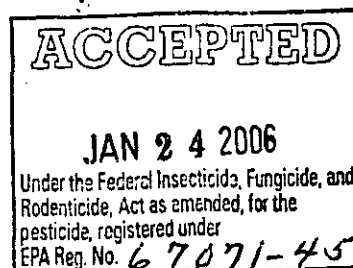
***WET STATE PRESERVATIVE:** ACTICIDE® MBL 5515 is recommended as an in-container preservative for the control of bacteria and fungi in aqueous products such as aqueous emulsions and dispersions including stabilized oil/water emulsions, surface preparation compounds, foam control products, nutrient solutions and aqueous pesticides (includes use as a wet-state preservative for the control of bacteria and fungi in pesticide products for dilution (with a MIT level of not more than 2.25 ppm in the final solution) applied to crops and for use in pesticide formulations for use on food contact surfaces at rates described for wet-state preservative category). Add 0.1 - 0.5% (by weight) ACTICIDE® MBL 5515 to the product.

***HOUSEHOLD CLEANING PRODUCTS, LAUNDRY ADDITIVES, CAR CARE PRODUCTS:** For the control of bacteria and fungi in liquid detergents, liquid laundry products, dishwashing detergents, waxes, polishes and other similar cleaners. ACTICIDE® MBL 5515 may also be used for the control of bacteria and fungi in package utility products such as pre-moistened sponges and mops. ACTICIDE® MBL 5515 is added at a level of 0.01% - 0.3% (by weight) ACTICIDE® MBL 5515 to the product to be protected.

***PRESERVATIVE FOR METAL WORKING FLUIDS:** ACTICIDE® MBL 5515 microbiocide is recommended for the control of bacteria and fungi in aqueous metal working fluid solutions and emulsions. Add 0.2% (by weight) ACTICIDE® MBL 5515 to the fluid every 4 weeks for maintenance of a non-fouled system. For a noticeably fouled system use an initial dose of 0.5% - 1.0% (by weight) ACTICIDE® MBL 5515 to the 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.

***PRESERVATIVE FOR TEXTILES/CORDAGE PRODUCTS AND TEXTILE-/TEXTILE-FIBERS MAKING:** ACTICIDE® MBL 5515 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 0.1 - 0.5% (by weight) ACTICIDE® MBL 5515 to the fluid.

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