



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 13, 2024

Olivia Watson
Regulatory Specialist
Thor Specialties, Inc.
Electronic Transmittal: owatson@thorsp.com

Subject: Label Amendment – Added compared use pattern and revised text
Product Name: ACTICIDE® MV 4-F
EPA Registration Number: 67071-114
Received Date: March 10th, 2021
Action Case Number: 00294420

Dear Olivia Watson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

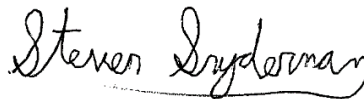
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please Alexander Kliminsky by phone at (202) 566-0476, or via email at Kliminsky.Alexander@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Steven Snyderman". The signature is written in a cursive style with a horizontal line underneath the name.

Steven Snyderman, Product Manager 33
Regulatory Management Branch II
Antimicrobials Division (7510M)
Office of Pesticide Programs

Enclosure: Stamped Final Label

{All text in brackets [xxx] is optional and may or may not be intended on a final label.}
{All text in braces {xxx} is administrative and will not appear on a final label.}

Container Label # 114-00 V002 – 14-AUG-2024

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic plants, fish and aquatic invertebrates. 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.

PHYSICAL AND CHEMICAL HAZARD

This product is corrosive to mild steel.

STORAGE AND DISPOSAL

PROHIBITIONS: This product is corrosive to mild steel.

PESTICIDE STORAGE: 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: Plastic non-refillable container: Triple rinse as follows: 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 or reconditioning, or puncture and dispose of in a sanitary landfill or by incinerator or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

{OR:

CONTAINER DISPOSAL: Non-refillable containers [> 5 gallons in size]. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Empty tote container may be returned to a tote collection agent. Residue removal – Cleaning container before final disposal is the responsibility of the person disposing of the container. To clean container before final disposal, fill container about 10 percent full with water; agitate container vigorously; discard rinsate according to pesticide disposal instructions; repeat this rinsing procedure two more times. Then offer recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. For additional container disposal information, contact product supplier.)

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.

ACCEPTED

09/13/2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 67071-114

THOR

ACTICIDE® MV 4-F

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one.....3.03%
2-Methyl-4-isothiazolin-3-one.....1.00%

OTHER INGREDIENTS:.....95.97%
TOTAL:.....100.00%

ACTICIDE® MV 4-F microbiocide weighs 8.35 lb. per gallon

KEEP OUT OF REACH OF CHILDREN
DANGER – PELIGRO

{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the label.}
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 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.
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 treatment.
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 a poison control center or doctor.➤ Do not give anything to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
HOT LINE NUMBER: In case of emergency, for additional information call toll free 1-800-424-9300.

EPA Reg. No. 67071-114

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

{OR:

EPA Est. No. 67071-MEX-001

Manufactured By:

Thor Químicos de México SA de CV;
Autopista Mex-Qro Km 182; Pedro Escobedo,
Querétaro; México.

Manufactured For:

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

Precautionary Statements:

Hazards to Humans and Domestic Animals

DANGER

Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a NIOSH approved particulate respirator with any N, R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Mixers, loaders, and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling the product. Wash the outside of gloves before removing. As soon as possible wash thoroughly.

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 [*]metal working fluids; [*]water cooling towers; [*]air washers; [*]closed loop water systems; [*]brewery pasteurizers; [*]ultra-filtration units; [*]oil field injection waters; [*]paper mills; and [*]papermaking additives.

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

[*Not approved for these uses in the State of California]

UN 3265,

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (mixture, containing 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)), 8, PG-II

Batch:

Mfg Date:

Net Contents (pounds):
(gallons):

ACTICIDE® MV 4-F

INFORMATION SHEET



THIS ACTICIDE® MV 4-F INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® MV 4-F

DIRECTIONS FOR USE

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

Typical applications and suggested range of use concentrations based on total weight of product are as follows:

[*]METAL WORKING FLUIDS

ACTICIDE® MV 4-F is recommended for the control of bacteria and fungi in aqueous metal working fluid solutions and emulsions (concentrates or dilutions) based on mineral or organic oils, petrochemical derivatives, natural or synthetic compounds or combinations thereof.

Dosing (diluted metal working fluids):

Dispense ACTICIDE® MV 4-F into the use dilution fluid reservoir and circulate the fluid to ensure uniform concentration throughout the system.

*[*Not approved for this use in the State of California]*

Maintenance Dosing:

Add 32 FL Oz (2 Lbs) per 1000 Gal of use dilution fluid every 2 – 4 weeks, as necessary

Fouled system:

Add 64 FL Oz (4Lbs) per 1000 Gal of use dilution fluid

Concentrates:

The amount added should not exceed the maximum limit for treating a fouled system once diluted to the recommended rate

[*]INDUSTRIAL WATER SYSTEMS:

[*]WATER COOLING TOWERS

ACTICIDE® MV 4-F microbiocide is recommended for the control of bacteria, algae and fungi.

ACTICIDE® MV 4-F microbiocide should be added to the tower basin or some other point to ensure uniform mixing.

For noticeably fouled systems use an initial dose of 0.46 to 2.74 lb ACTICIDE® MV 4-F per 1000 gallons of water. Repeat if necessary to achieve control.

*[*Not approved for this use in the State of California]*

0.11 – 0.68 LB per 1000 GAL of water weekly or as needed for maintenance
(13 to 81 ppm ACTICIDE® MV 4-F)

[*]AIR WASHER SYSTEMS

For use only in industrial air washing systems that maintain effective mist eliminating components.

Add to the air washer sump or chill water sump to ensure uniform mixing, for the control of bacteria, fungi and algae. A repeat treatment may be needed depending on the severity of contamination.

*[*Not approved for this use in the State of California]*

0.11 – 2.74 LB per 1000 GAL of water
(13 to 330 ppm ACTICIDE® MV 4-F)

ACTICIDE® MV 4-F INFORMATION SHEET



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DIRECTIONS FOR USE

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<p>[*]CLOSED LOOP WATER SYSTEMS</p> <p>To maintain control of bacteria, fungi and algae, add to the reservoir, recirculating line or some other point in the system to ensure uniform mixing.</p> <p>For noticeably fouled systems an initial treatment with 0.46 to 2.74 lb of ACTICIDE® MV 4-F per 1000 gallons of water may be needed depending on the severity of the fouling.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.11 – 0.68 LB per 1000 GAL of water in the system weekly</p>
<p>[*]BREWERY PASTEURIZERS</p> <p>To maintain control of bacteria, algae and fungi.</p> <p>For noticeably fouled systems an initial treatment with 0.46 to 2.74 lb ACTICIDE® MV 4-F per 1000 gallons of water may be needed depending on the severity of the fouling.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.11 – 0.68 LB per 1000 GAL of water in the system weekly or as needed</p>
<p>[*]ULTRA-FILTRATION UNITS</p> <p>ACTICIDE® MV 4-F microbiocide is recommended for the control of bacteria and fungi in ultra-filtration units, such as reverse osmosis systems.</p> <p>Add into industrial ultra-filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of ACTICIDE® MV 4-F microbiocide with reverse osmosis membranes should be confirmed with membrane manufacturers.</p> <p>-----</p> <p>For the control of bacteria and fungi in carbon beds.</p> <p>-----</p> <p>For periodic membrane cleaning.</p> <p>Badly fouled systems should be cleaned before treatment is begun.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>3.67 – 121.9 ppm ACTICIDE® MV 4-F (0.03 - 1.02 LB per 1000 GAL of water)</p> <p>-----</p> <p>3.67 – 121.9 ppm ACTICIDE® MV 4-F (0.03 – 1.02 LB per 1000 GAL of water)</p> <p>-----</p> <p>0.15 – 0.366 LB per 120 GAL of cleaning solution</p>

ACTICIDE® MV 4-F

INFORMATION SHEET



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DIRECTIONS FOR USE

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[*]OIL AND GAS PRODUCTION	
[*]OIL FIELD INJECTION WATERS <p>For control of slime-forming and sulfate reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids and drilling fluids.</p> <p>An initial dose of 20.93 to 42.12 lb (2.5 to 5.05 GAL) ACTICIDE® MV 4-F per 1000 [42-gallon] barrels of water (59.52 to 120.24 ppm ACTICIDE® MV 4-F) may be used until control is achieved. This product may be used for terrestrial and off-shore oil drilling muds and packer fluids.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>8.45 – 21.24 LB (1.0 to 2.5 GAL) per 1000 [42-gallon] barrels of water weekly or as needed (23.81 to 59.52 ppm ACTICIDE® MV 4-F)</p>
[*]PULP AND PAPERMILLS	
Not for use in products coming into direct or indirect contact with food.	
[*]PAPER MILLS <p>For the control of bacterial and fungal slime in the production of paper. ACTICIDE® MV 4-F should be added to a point such as the Beater or Hydropulper to ensure uniform mixing.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.17 – 0.54 LB per TON (dry basis) of pulp or paper, as a slug dose</p>
[*]For the Preservation of Papermaking Additives and Coatings	
This product should be added directly to the material to be preserved during the manufacture of the papermaking products. Dosing may be repeated as necessary. The dosage rates are as follows:	
[*]Adhesives <p>For storage during extremely high temperatures and humidity, use up to 0.10% (1.0 lb per 1000 lb formulation)</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.02 – 0.06% 0.20 – 0.60 LB PER 1000 LB FLUID</p>
[*]Coatings <p>A higher dosage rate up to 0.10% (1.0 lb per 1000 lb formulation) may be required for storage during extremely high temperatures and humidity</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.02 – 0.06% 0.20 – 0.60 LB PER 1000 LB FLUID</p>
[*]Polymers/latices <p>Note: to insure uniform mixing, add ACTICIDE® MV 4-F microbicide to latex or solutions slowly with agitation</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.02 – 0.12% 0.20 – 1.20 LB PER 1000 LB FLUID</p>

ACTICIDE® MV 4-F

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[*]Dispersed Pigments <i>[*Not approved for this use in the State of California]</i>	0.02 – 0.08% 0.20 – 0.80 LB PER 1000 LB FLUID
[*]Emulsions <i>[*Not approved for this use in the State of California]</i>	0.02 – 0.12% 0.20 – 1.20 LB PER 1000 LB FLUID
[*]Foam Control Products <i>[*Not approved for this use in the State of California]</i>	0.02 – 0.12% 0.20 – 1.20 LB PER 1000 LB FLUID