



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

EPA Reg. Number:

67071-114

Date of Issuance:

12/30/2019

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

ACTICIDE MV 4-F

Name and Address of Registrant (include ZIP Code):

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

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.

Signature of Approving Official:

John Hebert, Branch Chief
 Regulatory Management Branch I,
 Antimicrobials Division (7510P)

Date:

12/30/2019

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. 5-Chloro-2-methyl-4-isothiazolin-3-one GDCI-107103-1709
 - b. 2-Methyl-4-isothiazolin-3-one GDCI-107104-1479

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI 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. 67071-114.”
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.

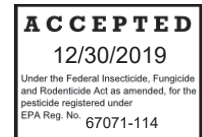
If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.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

- Basic CSF dated 03/29/2019
- Alternate CSF 1 dated 03/29/2019

If you have any questions, please contact Jake McFarley by phone at (703) 347-0123, or via email at McFarley.Jake@epa.gov.

Enclosure: Master 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 # MV 4-F-00 V001 – 20-DEC-2019

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.

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**

See Side panel for additional precautionary statements

FIRST AID
<p>If in Eyes:</p> <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.
<p>If on Skin or Clothing:</p> <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.
<p>If Inhaled:</p> <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.
<p>If Swallowed:</p> <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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>
<p>HOT LINE NUMBER: In case of emergency, for additional information call toll free 1-800-424-9300.</p>

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

Manufactured By/For: Thor GmbH
 D-67346 Speyer, Germany
 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 [*]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):
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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:

<p>[*]INDUSTRIAL WATER SYSTEMS:</p>	
<p>[*]WATER COOLING TOWERS</p> <p>ACTICIDE® MV 4-F microbiocide is recommended for the control of bacteria, algae and fungi.</p> <p>ACTICIDE® MV 4-F microbiocide should be added to the tower basin or some other point to ensure uniform mixing.</p> <p>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.</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 weekly or as needed for maintenance (13 to 81 ppm ACTICIDE® MV 4-F)</p>
<p>[*]AIR WASHER SYSTEMS</p> <p>For use only in industrial air washing systems that maintain effective mist eliminating components.</p> <p>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.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>0.11 – 2.74 LB per 1000 GAL of water (13 to 330 ppm ACTICIDE® MV 4-F)</p>
<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>

ACTICIDE® MV 4-F INFORMATION SHEET



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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.

<p>[*]ULTRA-FILTRATION UNITS</p> <p>ACTICIDE® MV 4-F microbicide 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 microbicide 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>
<p>[*]OIL AND GAS PRODUCTION</p> <p>[*]OIL FIELD INJECTION WATERS</p> <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>
<p>[*]PULP AND PAPERMILLS</p> <p>Not for use in products coming into direct or indirect contact with food.</p>	
<p>[*]PAPER MILLS</p> <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>

ACTICIDE® MV 4-F INFORMATION SHEET



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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.

<p>[*]For the Preservation of Papermaking Additives and Coatings</p> <p>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:</p>	
<p>[*]Adhesives</p> <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%</p> <p>0.20 – 0.60 LB PER 1000 LB FLUID</p>
<p>[*]Coatings</p> <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%</p> <p>0.20 – 0.60 LB PER 1000 LB FLUID</p>
<p>[*]Polymers/latices</p> <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%</p> <p>0.20 – 1.20 LB PER 1000 LB FLUID</p>
<p>[*]Dispersed Pigments</p> <p><i>[*]Not approved for this use in the State of California]</i></p>	<p>0.02 – 0.08%</p> <p>0.20 – 0.80 LB PER 1000 LB FLUID</p>
<p>[*]Emulsions</p> <p><i>[*]Not approved for this use in the State of California]</i></p>	<p>0.02 – 0.12%</p> <p>0.20 – 1.20 LB PER 1000 LB FLUID</p>
<p>[*]Foam Control Products</p> <p><i>[*]Not approved for this use in the State of California]</i></p>	<p>0.02 – 0.12%</p> <p>0.20 – 1.20 LB PER 1000 LB FLUID</p>