



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

EPA Reg. Number:

59638-2

Date of Issuance:

11/17/2014

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

MB-ISO1.5

Name and Address of Registrant (include ZIP Code):

William R. Snyder, Ph.D.
Qualichem, Inc.
P.O. Box 926
Salem, VA 24153

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 her/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:

Seiichi Murasaki, Acting Team Leader 33

Date:

11/17/2014

2. Be aware that proposed data requirements have been identified in a Work Plan. For more information on these proposed data requirements, you may contact Team Leader for PM Team 36: http://www.epa.gov/oppad001/contacts_ad.htm
3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 59638-2”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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 May 19, 2014

If you have any questions, please contact Zebora Johnson at (703) 308-7080 or johnson.zeboraj@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'SEIICHI MURASAKI'.

Seiichi Murasaki
Acting Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

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 public 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 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

This product (pH 3.5) is corrosive to mild steel.

PESTICIDE STORAGE: Do not store or transport in unlined metal containers. Do not contaminate water, 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 waste 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

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.

Do not apply this product in a way that will contact workers or other persons.

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.

UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. [mixture containing 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (3:1)], 8, PG-II

**For Transportation / Spills Emergency:
Call Chemtel at 1-800-255-3924**

MB-ISO1.5

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one.....1.11%
2-Methyl-4-isothiazolin-3-one0.37%
OTHER INGREDIENTS:.....98.52%
TOTAL:100.00%
ACTICIDE® SPX microbiocide weighs 8.6 lb. per gallon

KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

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 do so by the poison control center or doctor.
If on Skin:	<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 further treatment advice
<p>Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.</p>	
<p>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.</p>	

Precautionary Statements: Hazards to Humans and Domestic Animals DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF ABSORBED THROUGH SKIN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID CONTACT WITH SKIN. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTION IN SOME INDIVIDUALS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Mixers, loaders, and others exposed to methylisothiazolinone must wear:

- Long-sleeve shirt and long pants
- Socks and Shoes
- Goggles or face shield
- Chemical-resistant gloves (such as rubber or made out of any waterproof material)

Follow manufacturer's instructions for cleaning / maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations: 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 this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

DIRECTIONS FOR USE

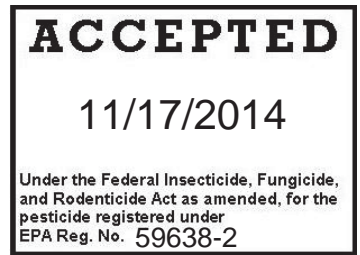
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Industrial microbiocide for use in water treatment/process waters. READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

* Not approved for this use in the State of California

EPA Reg. No. 67071-11 EPA Est. No. 59638-VA-001

Manufactured For: QualiChem, Inc.
P.O. Box 926
Salem, VA 24153



Batch:	Mfg Date:	Net Contents (pounds):
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MB-ISO1.5 INFORMATION SHEET

**THIS MB-ISO1.5 INFORMATION SHEET MUST ACCOMPANY
EACH SHIPMENT OF MB-ISO1.5**

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 RECIRCULATING WATER COOLING TOWER</p> <p>MB-ISO1.5 microbiocide is recommended for the control of bacteria, algae and fungi. It 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 1.25 – 7.5 lb MB-ISO1.5 per 1000 gallons of water. Repeat if necessary to achieve control.</p>	<p>0.03 – 0.186% 0.3 – 1.86 LB per 1000 gallons water 35 – 220 ppm MB-ISO1.5</p>
<p>AIR WASHER SYSTEMS</p> <p>For use only in industrial air washing systems that maintain effective mist eliminating components. Add to water in 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>0.03 – 0.75% 0.3 – 7.5 LB per 1000 gallons water 35 – 886 ppm MB-ISO1.5</p>
<p>OIL FIELD INJECTION WATERS</p> <p>To maintain 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 57 – 115 lb MB-ISO1.5 per 1000 barrels of water (162 – 324 ppm MB-ISO1.5) may be used until control is achieved.</p> <p>This product may be used for terrestrial and off-shore oil drilling muds and packer fluids.</p>	<p>23 – 58 LB (2.8 – 6.9 GAL) per 1000 barrels water 66 – 165 ppm MB-ISO1.5</p>
<p>*PAPER MILLS</p> <p>For the control of bacterial and fungal slime in the production of paper. MB-ISO1.5 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>0.45 – 1.5 LB of MB-ISO1.5 per ton (dry basis) of pulp or paper produced as slug dose</p>



MB-ISO1.5 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>INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS</p> <p>To maintain control of bacteria, fungi and algae, add in the reservoir, recirculating line or some other point to ensure uniform mixing.</p> <p>For noticeably fouled systems an initial treatment with 1.25 – 7.5 lb MB-ISO1.5 per 1000 gallons of water may be needed depending on the severity of the fouling.</p>	<p>0.3 – 1.86 LB per 1000 GAL of water weekly</p>
<p>*BREWERY PASTEURIZERS AND CAN WARMER SYSTEMS</p> <p>To maintain control of bacteria, algae and fungi.</p> <p>For noticeably fouled systems an initial treatment with 1.25 – 7.5 lb of MB-ISO1.5 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>0.3 – 1.86 LB per 1000 GAL of water weekly or as needed</p>
<p>*ULTRA FILTRATION UNITS, such as REVERSE OSMOSIS SYSTEMS</p> <p>MB-ISO1.5 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 MB-ISO1.5 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>10 – 333 ppm MB-ISO1.5</p> <p>10 – 333 ppm MB-ISO1.5</p> <p>0.4 – 1.0 LB per 120 GAL of cleaning solution</p>
<p>*INDUSTRIAL PROCESS WASH WATER</p> <p>MB-ISO1.5 microbicide is recommended for the control of bacteria and fungi in the storage of process wash waters.</p> <p><i>*Not approved for this use in the State of California</i></p>	<p>0.05 – 0.30% 0.5 – 3.0 LB per 1000 LB wash water</p>