

67071-76

5/28/2013

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
 Office of Pesticide Programs  
 Antimicrobials Division (7510C)  
 1200 Pennsylvania Avenue NW  
 Washington, D.C. 20460

EPA Reg. Number:  
 67071-76

Date of Issuance:  
 MAY 28 2013

**NOTICE OF PESTICIDE :**

Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance:  
**Conditional**

Name of Pesticide Product:  
 ACTICIDE L(U)

Name and Address of Registrant (include ZIP Code):

Thor GmbH  
 Landwehrstrasse 1  
 D-67346,  
 Speyer, Germany

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistered 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 sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Number to read, "EPA Reg. No. 67071-76".

Signature of Approving Official:

Marshall Swindell  
 Product Manager Team-33  
 Regulatory Management Branch I  
 Antimicrobials Division (7510P)

Date:

MAY 28 2013

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b. The Storage Stability and Corrosion study must be submitted within one (1) year from the date of the Notice of Registration. Refer the enclosed copies of the product chemistry and acute toxicity reviews further comments.

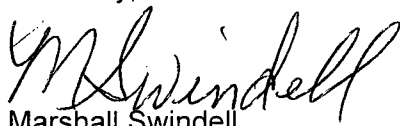
3. Submit two (2) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the "accepted" label is enclosed for your records.

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

Sincerely,



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

Enclosure

# ACTICIDE® L(U)



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

**CORROSIVE.**  
Causes irreversible eye damage and skin irritation. Fatal if absorbed through skin. May be fatal if swallowed. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Coveralls over long sleeved shirt and long pants, socks and chemical resistant footwear, goggles, face shield and chemical resistant gloves such as or made of any water-proof materials. If dusts are generated, wear an approved dust respirator. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist 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 product gets inside. Then wash thoroughly and put on clean clothing. Users should remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### DIRECTIONS FOR USE

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

\*Industrial microbicide to control the growth of bacteria and algae in industrial process waters and during the manufacture, distribution, use and storage of industrial, consumer, household and institutional products. **READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.**

\*Not approved for use in the State of California

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

Manufactured For/By: Thor GmbH  
D-67346 Speyer, Germany  
Tel. (06232) 6360

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

Net Contents (pounds):

### ACTIVE INGREDIENTS:

2-bromo-2-nitropropane-1,3-diol.....99.82%

### OTHER INGREDIENTS:

TOTAL.....0.18%

ACTICIDE® L(U) weighs 11.40 lb. per gallon

## KEEP OUT OF REACH OF CHILDREN

### DANGER

#### FIRST AID

##### If on Skin Or Clothing

- >Take off contaminated clothing
- >Rinse skin immediately with plenty of water for 15-20 minutes.
- >Call a poison control center or doctor for treatment advice.

##### 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 eye.
- >Call a poison control center or doctor for treatment advice.

##### If Swallowed:

- >Immediately call a poison control center or doctor
- >Do not induce vomiting unless told to do so by the poison control center or doctor.
- >Do not give any liquid to the person
- >Do not give anything by mouth to an unconscious person

##### 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

**Note to physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Treat according to symptoms (decontamination, vital function). No specific known antidote

**Have the product container or label with you when calling a poison control center or doctor, or when going for treatment**

**HOT LINE NUMBER:** In case of emergency, for additional information call toll free 1-800-424-9300.

**For Transportation / Spill Emergency:**

**Call Chemtrec at 1-800-424-9300**

**ACCEPTED**  
**With COMMENTS**  
**In EPA Letter Dated:**

Mfg. Date:

MAY 2 8 2013

Batch:

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

67071-76

**ENVIRONMENTAL HAZARDS**  
This product is toxic to fish. 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.

### PHYSICAL AND CHEMICAL HAZARDS

Avoid contact with metal equipment. Reacts with oxidizing agents.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal

**PESTICIDE STORAGE:** Keep away from oxidizing agents. Store in a cool, dry area.

**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:** Non-refillable container. Do not reuse or refill this container. Completely empty into mixing vessel or application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, container may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, offer for recycling if available or dispose of empty container in a sanitary landfill or by incineration 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 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 3241, 2-BROMO-2-NITROPROPANE-1,3-DIOL, 4.1, PG-III

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# ACTICIDE® L(U) INFORMATION SHEET



**THIS ACTICIDE® L(U) INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® L(U)**

## DIRECTIONS FOR USE

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

For preservation during the manufacture, distribution, storage and use of industrial, consumer, household and institutional products, ACTICIDE® L(U) is best added at any liquid phase as late as possible during the manufacturing process. It may be added by pre-dissolving in any water to be incorporated into the formulation. Add after any heating stage, or when the product has cooled below 40°C. Ensure good mixing and even distribution throughout the product. Do not apply this product in a way that will contact workers or other persons.

### \*WATER BASED PRINTING INKS AND FOUNTAIN SOLUTIONS:

To inhibit the growth of bacteria during the storage and use of water based printing inks, including their use as fountain solutions.

In-can preservation

**100-500 ppm (0.01 – 0.05 %)**  
0.84 – 4.20 LB / PER 1000 GALS  
PRODUCT

During use for a fountain solution a shock dose of between 50 and 100 ppm active ingredient can be applied once or twice weekly as a normal routine, depending on the level of contamination.

**50-100 ppm (0.005 – 0.01%)**  
0.42 – 0.84 LB / PER 1000 GALS  
SOLUTION

*\*Not approved for this use in the State of California*

### \*METAL WORKING FLUIDS:

For use in soluble oils, semi-synthetic and synthetic fluids. Add directly to the sump (with agitation) for tank-side addition and allow to circulate for about 1 hour before shutdown. Also for use as tank-side additive to diluted fluids.

**100 – 1000 ppm (0.01 – 0.1%)**  
1.0 LB / PER 1000 LBS  
METAL WORKING FLUID

*\*Not approved for this use in the State of California*

### \*ABSORBENT MATERIALS:

For in-can preservation of absorbent materials such as clays, corn cobs and ground wood, impregnate absorbent material by spraying or pouring solutions of ACTICIDE® L(U).

**25 – 200 ppm**  
0.04 – 0.32 OZ / PER 100 LBS  
ABSORBENT MATERIAL

*\*Not approved for this use in the State of California*

### \*PAINTS, COATINGS and OTHER EMULSION SYSTEMS:

For in-can preservation of aqueous emulsion systems.

**100-500 ppm (0.01 – 0.05%)**  
0.84 – 4.2 LB / PER 1000 GALS  
FORMULATION

*\*Not approved for this use in the State of California*

### \*ADHESIVES:

recommended as an in-container preservative in water soluble and water dispersed adhesives and mastics

**100-500 ppm (0.01 – 0.05%)**  
0.84 – 4.2 LB / PER 1000 GALS  
FORMULATION

*\*Not approved for this use in the State of California*

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 28 2013  
under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

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EPA Reg. No. 67071-XX

Manufactured By/For: Thor GmbH  
D-67346 Speyer, Germany  
Tel. (06232) 6360  
U.S. Office: Thor Specialties, Inc.  
50 Waterview Dr., Shelton, CT  
06484 USA  
Tel. (203) 516-6980

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# ACTICIDE® L(U) INFORMATION SHEET



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## DIRECTIONS FOR USE

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<p><b>*BUILDING MATERIALS:</b> recommended as an in-container preservative in building materials including mastics, caulks, joint cements, spackling, grouting, concrete admixtures <i>*Not approved for this use in the State of California</i></p>	<p><b>0.0075 – 0.045%</b> <b>0.075 – 0.45 LB / PER 1000 LBS FORMULATION</b></p>
<p><b>* LATICES, POLYMER EMULSIONS OR SOLUTIONS:</b> Recommended for preservation during the manufacture and storage of synthetic and natural polymer latices including: acrylics, styrene acrylic, polyvinyl and other latex emulsion, photographic emulsion, silicone, and other antifoam emulsion systems. <i>*Not approved for this use in the State of California</i></p>	<p><b>100-500 ppm (0.01 – 0.05%)</b> <b>0.84 – 4.2 LB / PER 1000 GALS FORMULATION</b></p>
<p><b>*STARCH, PIGMENT, MINERAL AND EXTENDER SLURRIES:</b> recommended for preservation during the manufacture and storage of starch, dispersed pigments/colorants, mineral slurries and extender slurries <i>*Not approved for this use in the State of California</i></p>	<p><b>100-500 ppm (0.01 – 0.05%)</b> <b>0.84 – 4.2 LB / PER 1000 GALS FORMULATION</b></p>
<p><b>*AQUEOUS AGRICULTURAL PESTICIDE CONCENTRATES:</b> recommended for preservation during the manufacture and storage of agricultural pesticide concentrates. <i>*Not approved for this use in the State of California</i></p>	<p><b>100-500 ppm (0.01 – 0.05%)</b> <b>0.84 – 4.2 LB / PER 1000 GALS BASED ON THE FINAL FORMULATION</b></p>
<p><b>*LIQUID HOUSEHOLD AND INSTITUTIONAL PRODUCTS:</b> For the preservation of products such as dishwashing liquids, surface cleaners, polishes. <i>*Not approved for this use in the State of California</i></p>	<p><b>100-500 ppm (0.01 – 0.05%)</b> <b>0.84 – 4.2 LB / PER 1000 GALS FORMULATION</b></p>
<p><b>*SURFACTANTS AND RAW MATERIALS USED IN CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS:</b> For preservation of surfactants and raw materials supplied for the manufacture of industrial and consumer products. <i>*Not approved for this use in the State of California</i></p>	<p><b>100-500 ppm (0.01 – 0.05%)</b> <b>0.84 – 4.2 LB / PER 1000 GALS FORMULATION</b></p>
<p><b>*CHEMICAL TOILET DEODORANTS:</b> Incorporate ACTICIDE® L(U) at levels of 1-28% in deodorant concentrates. To effectively control odor in a portable toilet, use 100 – 500 ppm (0.84 to 4.20 lb/ 100 gallons). <i>*Not approved for this use in the State of California</i></p>	<p></p>

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## DIRECTIONS FOR USE

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### \*INDUSTRIAL PROCESSES AND WATER SYSTEMS

To control the growth of slime forming, spoilage, odor causing and corrosion inducing bacteria and algae in industrial applications. ACTICIDE® L(U) can be dosed directly, or by preparing a stock solution immediately prior to application, either by open pouring (not for cooling water treatment) or by metered pump. For process application treatments, ACTICIDE® L(U) may be slug dosed initially when the system is noticeably fouled and reduced to a maintenance dose once microbial control is evident. For some applications treatment may be by slug dose only, or by maintenance dose only. More frequent and higher dosing should be used where contamination is heavy. The recommended dosing regimens and the dose rates are as indicated in the individual use area instructions.

#### \*INDUSTRIAL COOLING WATER:

For use in cooling towers, evaporative condensers, open and closed loop cooling and stored (non-potable) water, industrial and/or commercial air washers. ACTICIDE® L(U) will reduce the biofouling of pipework, heat exchangers, condenser tubes and minimize microbial corrosion.

Add ACTICIDE® L(U) once weekly to once monthly to the sump tank where turbulence will ensure quick dissolution. Do not add by open pouring of liquid to cooling towers and evaporative condensers.

**Shock dose:** add 50 – 100 ppm ACTICIDE® L(U) (0.42 – 0.84 lb/1000 gallons)

**Subsequent dosing:** reduce to 10 ppm ACTICIDE® L(U)

*\*Not approved for this use in the State of California*

#### \*PAPER MILL PROCESS WATER:

Apply at a convenient point early in the process system (machine chest, constant head box or backwater loop system).

##### FREQUENCY AND DOSE:

Shock dose one, twice or three times daily at 1 to 25 ppm in the process water depending on the complexity of the system, quality of raw paper and type and degree of contamination. This equates to 0.02 to 0.5 lb ACTICIDE® L(U) per ton of finished paper or paperboard.

*\*Not approved for this use in the State of California*

#### \*PAPER MILLS - BULK PAPER:

Add ACTICIDE® L(U) directly into the hydropulper, machine chest or stock chest.

##### FREQUENCY AND DOSE:

Add ACTICIDE® L(U) once weekly to once daily at between 50-200 ppm ACTICIDE® L(U) (0.1 – 0.4 lb per ton) depending on the degree of contamination.

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